NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Interim Board Meeting
February 12, 2026
Virtual

1. Meeting Call to Order

2. Public Comment

3. NRS 625
Waiver Requests

WAIVER REQUESTS
Thursday, February 12, 2026

APPLICANTS REQUESTING WAIVER OF NRS 625.183(4)(B)			
NAME	**DISCIPLINE**	**TO:**	**GRANT?**
1. Pramesh Pudasaini	CE	Greg DeSart, PE	
NRS 625.183, ITEM 4, PART B, "TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD."			

APPLICANTS REQUESTING WAIVER OF NRS 625.193(A)			
NAME	**DISCIPLINE**	**TO:**	**GRANT?**
1. Anas Alwari	CE	Greg DeSart, PE	
NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.			

4. Non-Appearance Applications for Initial Licensure

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS EDUCATION CREDIT GUIDELINES

DEGREE	YEARS CREDIT (MAX)	YEARS ACCEPTABLE EXPERIENCE REQUIRED
Undergraduate (BS): ABET/EAC accredited	4	4
Undergraduate (BS): ABET/ETAC accredited	4	4
Undergraduate (BS Engineering): Washington Accord	4	4
Undergraduate (BS Engineering): Non-ABET/non-Washington Accord (must meet NCEES education standard, any deficiencies to be considered by board)	4	4
Undergraduate (BS Construction Management): ABET accredited	4	4
Undergraduate (BS Construction Management): Not ABET accredited but institution has ABET accredited engineering programs	4	4
Engineering Masters: US Masters with non-US BS and/or non-Washington Accord in Engineering	6	2
Engineering Doctorate: US Doctorate with non-ABET/non-Washington Accord/foreign BS+MS in Engineering	6	2

Civil

ANAS ALRAWI (17-215-45)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/13/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
10 years, 10 months

Experience under licensed engineer
7 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Physics (Unofficial Transcript)
Al-Mustansiriya University
October 1996–June 2000

Masters in Civil Engineering
California State University, Fullerton
January 2015–May 2017

EXAMS

Waived Fundamentals of Engineering (FE)
California
August 2019

Principles and Practice of Engineering (PE)
Civil
California
November 2025

WAIVER REQUEST: NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.

LICENSES

Additional Licenses
None

WORK EXPERIENCE

ITSI. Innovative Technical Solutions, INC
Baghdād (Iraq)
Quality Site Inspector/CAD Engineer
July 2004—July 2008

Verified by
Anas Alrawi (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I performed civil and structural engineering quality control and CAD design support for infrastructure and building projects, including roads, drainage systems, foundations, and reinforced concrete structures. I reviewed engineering drawings and specifications for compliance with project requirements, applicable codes, and construction standards, and I prepared and revised CAD drawings to reflect approved designs and field conditions. I reviewed material submittals, concrete mix designs, and test results, and I evaluated compliance with technical specifications. I identified nonconforming work, prepared quality reports, and recommended corrective engineering actions to ensure structural integrity and constructability.

REPRESENTATIVE PROJECTS

From 2000 to 2008, I performed engineering quality control and CAD design tasks on multiple infrastructure and structural projects across Iraq, including roadway improvements, drainage systems, reinforced concrete buildings, and structural foundations. I reviewed structural and civil design drawings, verified dimensions, elevations, and reinforcement details, and prepared CAD drawings and as-built plans reflecting approved design changes. I evaluated construction quality through inspection records and material test data, and I recommended engineering corrections for deficiencies related to concrete placement, reinforcement installation, and alignment. I verified that construction activities complied with approved engineering drawings, specifications, and applicable standards throughout the duration of the projects.

WORK EXPERIENCE

Malcon Civil, INC
California (United States)
Project Estimator/Manager
July 2008—February 2013

Verified by
Anas Alrawi (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I developed engineering-based construction estimates for civil infrastructure projects by interpreting design drawings, specifications, and technical requirements. I calculated quantities for earthwork, underground utilities, paving, and reinforced concrete elements, and I analyzed material, labor, and equipment costs to establish project pricing. I examined design documents to identify technical inconsistencies and constructability constraints, and I proposed engineering-driven alternatives to improve feasibility and cost efficiency. I reviewed subcontractor proposals for scope alignment and technical accuracy and prepared comparative analyses to support bid decisions.

REPRESENTATIVE PROJECTS

I completed engineering estimating and execution support for multiple civil construction projects involving site grading, roadway work, utilities, and concrete structures. I produced detailed quantity takeoffs and calculation worksheets for excavation, backfill, pavement, and structural concrete based on contract drawings. I analyzed plans and specifications to identify design risks and scope conflicts, and I recommended engineering adjustments and construction approaches to address those issues. I confirmed quantities and costs using field measurements and record drawings to support engineering-based cost reconciliation and final project documentation.

WORK EXPERIENCE

Insight Environmental Engineering
California (United States)
Construction Quality Control Manager
August 2013—June 2015

Verified by
Aqeel Mohammad
aqeel.mo@gmail.com

Experience Summary
Full-Time
Engineering: 1 year, 10 months
Experience under licensed engineer: None

TASKS

Construction Quality Control Manager / Assistant Project Manager
I reviewed construction drawings, specifications, and design packages and evaluated constructability issues related to reinforced concrete foundations, slabs on grade, masonry walls, structural steel framing, and mechanical and electrical systems. I reviewed material submittals, shop drawings, and testing plans and verified that proposed materials and installations complied with contract documents, USACE requirements, and applicable codes and standards including IBC, ACI, ASTM, and OSHA. I evaluated results from material testing and inspections, including concrete compressive strength tests, soil compaction tests, masonry testing, and structural inspections, and I determined acceptance or recommended corrective actions when results did not meet project specifications. I performed field inspections during critical construction activities and verified that completed work and as-built documentation complied with approved drawings, specifications, and USACE Three Phases of Control quality requirements.

REPRESENTATIVE PROJECTS

This project was a $6 million USACE construction and renovation of a Wing Headquarters and Command Post facility at March Air Reserve Base, consisting of a multi-story reinforced concrete and structural steel building with masonry walls, roofing systems, and integrated mechanical, electrical, Plumbing and fire alarm system. I reviewed structural, architectural, and MEP drawings and specifications to evaluate constructability, identify design conflicts, and verify compliance with USACE standards and applicable codes including IBC, ACI, ASTM, and OSHA. I reviewed material submittals and evaluated results from concrete compressive strength testing, soil compaction testing, masonry testing, and structural inspections to determine compliance with project specifications and acceptance criteria. I performed field inspections, documented nonconforming work, recommended corrective actions, and verified that final installations and as-built drawings accurately reflected approved construction prior to project closeout.

WORK EXPERIENCE

Construction Testing Services
California (United States)
Construction Quality Control Manager
April 2015—October 2016

Verified by
Anas Alrawi (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

Project Manager / Construction Quality Control System Manager
Construction Testing Services

I reviewed civil and geotechnical drawings, specifications, and design packages related to earth embankment dikes, concrete culverts, drainage systems, pavements, and site utilities. I reviewed material submittals and testing plans and evaluated soil gradation, compaction results, concrete strength tests, and aggregate testing to verify compliance with contract specifications, USACE requirements, and applicable standards including ASTM, ACI, and OSHA. I evaluated field and laboratory test results for imported and blended embankment materials and determined acceptance or recommended corrective actions when materials did not meet specified gradation and compaction criteria. I performed field inspections of earthwork, concrete placement, asphalt paving, and drainage installation and verified that completed work and as-built documentation complied with approved drawings and USACE Three Phases of Control quality requirements.

REPRESENTATIVE PROJECTS

Construction of California Institution for Women (CIW) Dike – Chino, CA

(2015–2016)

This project was a $10 million USACE construction of zoned earth embankment dikes at the California Institution for Women, consisting of embankments up to approximately 6,000 feet in length and 32 feet in height, concrete box culverts, drainage systems, access roads, parking areas, bikeways, and associated site improvements. I reviewed civil, grading, and drainage plans and specifications to evaluate constructability and compliance with USACE standards and applicable codes and specifications. I reviewed and evaluated soil gradation, compaction, and moisture-density test results and determined that native materials did not meet contract specifications, and I recommended importation and on-site blending of materials to achieve required gradation and performance criteria. I reviewed concrete and asphalt testing results, inspected earthwork, culvert installation, pavement placement, and drainage systems, documented nonconforming work, recommended corrective actions, and verified that final installations and as-built drawings complied with approved construction documents prior to project closeout.

WORK EXPERIENCE

OHLUSA
California (United States)
Quality Control Manager
November 2016—November 2018

Verified by
ABDALLAH SALAMA
abdallah.salama@accenture.com

Experience Summary
Full-Time
Engineering: 2 years
Experience under licensed engineer: 2 years

TASKS

I analyzed civil, geotechnical, and hydraulic drawings and specifications for river channel improvements, earthwork, and embankment construction to identify design constraints and construction tolerances. I reviewed geotechnical testing plans and analyzed field and laboratory results for soil classification, moisture-density relationships, and relative compaction in accordance with ASTM standards. I compared test results to specification requirements and determined acceptance, rejection, or the need for rework and retesting to achieve required performance criteria. I evaluated field conditions through daily inspections, reviewed shop drawings and RFIs for technical accuracy, and verified that constructed work and as-built documentation complied with approved plans, specifications, and USACE quality control requirements.

REPRESENTATIVE PROJECTS

Santa Ana River Channel Improvement Project – Santa Ana Riverbed, Orange County, CA

(2016–2018)

This project involved improvements to an existing 2.4-mile section of the north bank of the Santa Ana River Channel, including large-scale excavation, embankment construction, grading, and drainage improvements designed to enhance channel stability and flood control performance. I analyzed grading, embankment, and hydraulic plans to assess constructability, slope stability considerations, and compliance with USACE standards and project specifications. I evaluated daily soil compaction and moisture-density test results and determined whether in-place materials met specified density and moisture criteria, and I recommended reworking, moisture conditioning, or retesting when deficiencies were identified. I prepared and reviewed RFIs and shop drawings related to field conditions, maintained red-line drawings throughout construction, and verified that final as-built drawings accurately reflected constructed conditions at project completion.

WORK EXPERIENCE

Skanska USA
California (United States)
Quality Manager
November 2018—November 2020

Verified by
Salim B Khalil
salimkhalilcc@gmail.com

Experience Summary
Full-Time
Engineering: 2 years
Experience under licensed engineer: None

TASKS

Construction Quality Engineer / Quality Manager
Skanska USA

I reviewed highway design drawings, specifications, and contract documents and evaluated construction activities for compliance with Caltrans and Riverside County Transportation Commission (RCTC) standards. I reviewed material submittals, inspection plans, and testing procedures and evaluated laboratory and field test results for earthwork, concrete, asphalt, and structural components in accordance with Caltrans, ASTM, and AASHTO requirements. I exercised engineering judgment in evaluating nonconforming work, test failures, and field conditions and determined acceptance, rejection, or corrective actions to achieve compliance with approved design intent. I performed field inspections, reviewed RFIs and design clarifications, and verified that completed work and as-built documentation met project specifications and quality requirements prior to acceptance.

REPRESENTATIVE PROJECTS

Interstate 15 Express (Toll) Lanes Project – City of Corona, CA

(2018–2020)

This project involved construction of express toll lanes along Interstate 15 in the City of Corona, California, for the Riverside County Transportation Commission, in compliance with Caltrans highway design and construction standards. The scope included roadway widening, earthwork, embankment construction, drainage improvements, asphalt and concrete pavement, structural elements, and associated transportation infrastructure. I reviewed roadway, grading, drainage, and pavement plans and specifications and evaluated constructability and compliance with Caltrans and RCTC requirements. I reviewed and evaluated material testing results, including soil compaction, asphalt density, concrete strength, and aggregate quality, and I determined acceptance or required corrective actions when results did not meet specification criteria. I evaluated field conditions and construction sequencing impacts on roadway geometry, drainage, and traffic operations, reviewed RFIs and shop drawings, and verified that final installations and as-built drawings accurately reflected approved construction documents.

WORK EXPERIENCE

Arcadis USA
California (United States)
Quality Oversight Manager
December 2020—October 2023

Verified by
Fuad modiri
modiriengineering@gmail.com

Experience Summary
Full-Time
Engineering: 2 years, 10 months
Experience under licensed engineer: 2 years, 10 months

TASKS

I performed engineering quality oversight and technical evaluation for design-build transportation infrastructure projects. I reviewed and evaluated civil and structural design calculations, drawings, and specifications to verify compliance with contract requirements, applicable codes, and design criteria. I assessed verification and validation documentation by comparing calculated design outputs against input criteria, load assumptions, material properties, and performance requirements. I analyzed nonconformance reports, determined technical impacts to structural integrity and constructability, and recommended corrective engineering solutions. I reviewed inspection results, material test data, and third-party compliance records, and I made engineering determinations supporting design acceptance, certification, and project closeout.

REPRESENTATIVE PROJECTS

During this employment, I performed engineering verification and validation oversight on multiple large-scale design-build infrastructure projects for the High Speed Rail project. I reviewed design-build contractor submittals, including Quality Management System documents, verification and validation plans, and self-certification records, and I confirmed that engineering calculations, design assumptions, and technical criteria were correctly applied. I evaluated construction inspection reports, laboratory test results, and field measurements to determine conformance with design drawings, specifications, and Caltrans and third-party requirements. I analyzed the technical significance of nonconforming work, evaluated potential impacts on safety, durability, and performance, and recommended engineering resolutions to support compliance, acceptance, and final certification.

WORK EXPERIENCE

HNTB
California (United States)
Deputy Office Quality Manager
November 2023—January 2026

Verified by
Kenneth Oh
keoh@hntb.com

Experience Summary
Full-Time
Engineering: 2 years, 2 months
Experience under licensed engineer: 2 years, 2 months

TASKS

I reviewed construction drawings, specifications, and approved design packages and evaluated field installations for compliance with contract documents, agency requirements, and applicable standards. I reviewed and evaluated material submittals, inspection plans, and testing results for earthwork, concrete, drainage, and structural elements and determined acceptance or required corrective actions when work did not meet specifications. I exercised engineering judgment in evaluating field conditions, nonconforming work, and proposed corrective measures to ensure compliance with approved design intent. I performed independent field inspections, reviewed RFIs and field change requests, and verified that completed work and documentation complied with approved plans and quality requirements prior to acceptance.

REPRESENTATIVE PROJECTS

California High-Speed Rail – Construction Package 4 (CP4), Wasco, CA

(2023–2024)

This project involved construction-phase quality engineering services for California High-Speed Rail Construction Package 4, including rail infrastructure, earthwork, drainage systems, structures, and utility interfaces within the Wasco segment. I performed on-site engineering inspections and reviewed contractor work activities to verify compliance with approved drawings, specifications, and California High-Speed Rail Authority requirements. I reviewed and evaluated material testing and inspection results for soil compaction, concrete placement, and drainage installations and determined acceptance, rejection, or required rework when results did not meet specification criteria. I evaluated utility conflicts identified during construction, reviewed coordination drawings, and provided engineering recommendations to resolve conflicts in coordination with third-party agencies, including Caltrans, while maintaining compliance with design intent and project requirements.
Los Angeles Metro Capital Projects – Eastside Transit Corridor & Supplemental Engineering Services (SES), Los Angeles, CA

(2024–2025)

These projects involved design-phase quality engineering and independent technical review services for Los Angeles Metro transportation infrastructure projects. I reviewed multidisciplinary design drawings, specifications, and engineering calculations to evaluate compliance with Metro standards and applicable codes. I evaluated design interfaces and constructability considerations related to staging, utilities, and right-of-way constraints and identified technical deficiencies requiring correction. I recommended engineering revisions and verified that final design deliverables met quality standards and contractual requirements prior to submission.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
October 1994	September 1996	BSc. Student
July 2000	June 2004	Not Employee

POUREYA BAZARGANI (23-867-34)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
02/02/2026

Citizenship
Canada

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
12 years, 4 months

Experience under licensed engineer
7 years, 6 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering
Shiraz University
September 2002–September 2006

Doctorate in Civil Engineering
University of British Columbia
September 2007–September 2014

EXAMS

Fundamentals of Engineering (FE)
Massachusetts
August 2024

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2025

LICENSES

Additional Licenses
None

POUREYA BAZARGANI (23-867-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ausenco Engineering Canada Inc.
British Columbia (Canada)
Senior Structural Engineer
February 2012—August 2023

Verified by
Masoud Babaei
masoud.babaei@fluor.com

Experience Summary
Part-Time
Engineering: 8 years, 8 months (75%)
Experience under licensed engineer: 6 years, 4 months

TASKS

Parts of this work experience overlap with my employment at BCIT. Please see below for a breakdown of how my time was divided between the two work experiences:

February 2012 – August 2017: Employed full-time (100%) at Ausenco.
September 2017 – August 2023: Concurrently employed part-time at Ausenco (approximately 50%, averaging 20 hours per week) and full-time as a faculty member at the British Columbia Institute of Technology (BCIT) (100%, 40 hours per week).
September 2023 – August 2024: Employed full-time (100%, 40 hours per week) as a faculty member at BCIT.

Based on the above, I respectfully submit that my cumulative professional experience from February 2012 to August 2024 is equivalent to 12 years and 7 months of full-time engineering work experience, combining my roles at Ausenco and BCIT.

During my employment at Ausenco, I:

- Performed computer-based structural analysis and modelling, and produced detailed designs in reinforced concrete and steel for various mining, infrastructure and transportation structures.

- Performed seismic analysis and assessment and produced retrofit design for municipal buildings including several schools.

- Led the structural design efforts and coordinated with other project disciplines in multiple mining projects.

- Produced preliminary designs and MTO for cost estimates on multiple mining projects.

- Prepared proposals and contract documents.

- Liaised with the client and the contractor in resolving construction matters and responded to RFIs, RFVs and NRCs.

- Performed site visits to inspect construction work and ensure compliance with design documents.

- Mentored junior and intermediate engineers.

REPRESENTATIVE PROJECTS

Port Mann Main Water Supply Tunnel owned by Metro Vancouver (2013-2020):
• A pressurized underground steel water main crossing under the Fraser River designed to withstand a 10,000-year return period earthquake over its 100-year design life. The crossing consisted of a 13m O.D. concrete shaft on the south side used for launching the TBM, 8m O.D. concrete shaft on the north side for extraction of the TBM cutterhead, and a 1km-long tunnel in between the shafts.
• I modeled the main structural components in SAP2000 to run structural analysis under seismically induced soil liquefaction loads.
• I produced structural designs in reinforced concrete for the two shafts and the valve chambers.
• I reevaluated the design for the effects of added loads due to the contractor's means and methods of construction, most notably, for the effect of break-out and break-in blocks needed for safe deployment and retrieval of the TBM.
• I visited the construction site frequently to inspect the work.
• I responded to construction submittals such as RFI’s, RFV’s, shop drawings, work plans, etc.
• I generating design reports and technical review documentation.

• All this work was done under the direct supervision of the project's EOR.

Snootli Creek Fish Hatchery Aeration Structure, Hagensborg, BC, Canada (2022-2023)
• A 4.5m tall steel structure housing water aeration equipment supported on a 6m-tall water-retaining concrete structure.
• I was the structural EOR for the project.
• I performed structural analysis and design for all steel and concrete structural components.
• I reviewed and responded to construction submittals.

Shiploader #2 Replacement owned by Port of Long Beach, CA, USA (2021-2022):
• Bulk shiploader #2 at Pier G needed replacement. The shiploader operates on a 900ft-long pier structure consisting of concrete piles, concrete deck, steel bulkhead, and steel tie-back cables secured to the ground with soil anchor blocks.
• I performed preliminary seismic analysis of the new shiploader and the pier structure that it will operate on to produce a set of criteria for the shiploader designer/manufacturer.
• I performed seismic analysis and conceptual retrofit design of the existing pier structure for the loads from the new shiploader.
• I calculated the capacities of marine structures based on their recent conditions assessment for the loads from the maximum vessel size docking at the pier.
• I participated in development of structural specifications for the new shiploader.
• I was the structural lead on this project and supervised one intermediate level structural engineer.

Ruskin Dam Seismic Upgrade owned by BC Hydro (2012-2013):
• A 195ft-high 361ft-long hydroelectric concrete gravity dam completed in 1930 located near Mission, BC.
• I modeled the dam's interface with the two rock abutments in 3D and analyzed the stability of the dam under seismically-induced hydrodynamic loads.
• I performed structural analysis and detailed design of the steel service bridge running across the dam connecting the two sides of the valley.
• I carried out detailed design of the pre-cast concrete panels cladding the gate control rooms.

Puntledge Penstock owned by BC Hydro (2015):
• A 3.8km-long 3m-diameter welded steel penstock transferring water from Puntledge Diversion Dam to Puntledge Powerhouse.
• I carried out structural performance evaluation of the steel penstock for the effects of observed corrosion in a condition assessment.
• I prepared a SAP2000 model to perform structural analysis and checks under various loading scenarios.

Tasiast Gold Mine Optimization owned by Kinross Gold (2016-2017):
• Tasiast is an open-pit gold mine 300km NE of Nouakchott, the capital city of Mauritania, with a processing capacity of 24,000 tonnes per day.
• Working under the direct supervision of the project's EOR, I performed structural analysis and detailed design of supplementary reinforced concrete and steel structures required for increasing the daily processing capacity of the mine. These structures included foundations for heavy processing equipment such as primary crusher and SAG mill, pump stations, retaining walls, pipe racks, foundations for vibrating machinery, oil containment structure for transformers, trestle supports for conveyors, etc.

BC Schools Seismic Retrofit (2012)
• Four public schools with primarily timber frame and masonry structural systems in the Greater Vancouver municipal area.
• I performed seismic risk assessment and retrofit design for these schools.

WORK EXPERIENCE

British Columbia Institute of Technology (BCIT)
British Columbia (Canada)
Faculty - Civil Engineering
September 2017—August 2024

Verified by
Sudip Talukdar
stalukdar1@bcit.ca

Experience Summary
Full-Time
Engineering: 6 years, 11 months
Experience under licensed engineer: None

TASKS

Parts of this work experience overlap with my employment at Ausenco. Please see below for a breakdown of how my time was divided between the two work experiences:

February 2012 – August 2017: Employed full-time (100%) at Ausenco.
September 2017 – August 2023: Concurrently employed part-time at Ausenco (approximately 50%, averaging 20 hours per week) and full-time as a faculty member at the British Columbia Institute of Technology (BCIT) (100%, 40 hours per week).
September 2023 – August 2024: Employed full-time (100%, 40 hours per week) as a faculty member at BCIT.

Based on the above, I respectfully submit that my cumulative professional experience from February 2012 to August 2024 is equivalent to 12 years and 7 months of full-time engineering work experience, combining my roles at Ausenco and BCIT.

I was employed at BCIT as a faculty member with the Department of Civil Engineering, teaching into the 4-year Bachelor of Civil Engineering program which is accredited by the Canadian Engineering Accreditation Board (CEAB), the Canadian equivalent of ABET in the United States. During my time at BCIT, I:

- Taught 8 courses to undergraduate 1st, 2nd, 3rd and 4th year civil engineering students as noted in the 'Representative Projects' section.

- Acted as a member of the Curriculum Committee. The committee was tasked with continuous evaluation and improvement of the department's curriculum and educational programs.

- Acted as the QA/QC coordinator of the Civil Engineering Department. In this role, I was responsible for collecting and analyzing data related to the students' performance in the program. I worked with the department to improve the quality of engineering education to maintain the program's engineering accreditation with CEAB.

- Acted as the Timetabler for the Civil Engineering Department.

- Helped develop a wood design course for the Civil Engineering Department

REPRESENTATIVE PROJECTS

Courses taught include:

- Structural Dynamics (CIVL 7023) offered to 3rd year students - This course applied the principles of engineering mechanics to the study of systems under dynamic loading. Students used Newton's laws of mechanics to analyze the motion of particles and rigid bodies in 2D space. The topic of SDOF and MDOF system vibrations was also explored. Students performed vibration control calculation on the support system of rotary equipment and carried out modal analysis of discretized MDOF systems.

- Issues in Engineering (CIVL 3011) offered to 2nd year students - The course provided an overview of the environmental issues that have local and global significance and the relationship between these issues and engineering practice. Practical design assignments included sizing of oil containment for oil-cooled transformers, and doing mass balance calculations to quantify the effect of polluted runoff from the built environment into a stream. The students also wrote a technical memorandum describing sustainability issues encountered in a real world civil engineering project that was provided to them, applying life cycle analysis to identify environmental issues, and using best management practices to mitigate the impacts.

- Structural Engineering 1 (CIVL 3074) offered to 2nd year students - CIVL 3074 is an introductory first course in structural

engineering. Assignments and practical design examples enabled the students to be able to use applicable building codes to load a wood frame building with dead, live and wind loads, perform structural analysis to find frame member design forces, and design various structural components of the building.

- Structural Engineering 2 (CIVL 4074) offered to 2nd year students - This structural engineering course built on the material presented in CIVL 3074. Practical design examples and assignments included structural indeterminacy, qualitative and approximate analysis of beams and frames; design of structural steel tension members, columns, beams and beam-columns; and the design of reinforced concrete beams, one-way slabs, columns, footings and retaining walls. Emphasis was placed on utilizing applicable building codes in producing engineering designs.

- Industry Project (CIVL 4090) offered to 2nd year students - This project-based course was designed as a capstone project for students who wanted to graduate with a civil engineering technical diploma at the end of their 2nd year. The student was responsible for finding an industry sponsor who gave the student a real world project to design. Working with the faculty advisor, the student had to perform calculations and produce design drawings for submission to both the industry advisor and faculty advisor.

- Structure and Properties of Materials (CIVL 7022) offered to 3rd year students - Practical design examples in this course included: utilizing the iron-carbon phase diagram to determine the outcomes of heat treatment of steel in engineering applications; using the 3D Mohr's circles concept to determine the 3D state of stress in isotropic materials; using rheological models to simulate mechanical behavior of engineering materials; and design for fatigue under cyclic loading.

- Civil Engineering Design (CIVL 7092) offered to 3rd year students - This course considered open-ended, conceptual, preliminary and retrofit design scenarios across the field of civil engineering. Working in groups, students were presented with the needs and objectives of a project “owner”. The students explored options to meet those objectives, examined the feasibility of options, compared estimated costs, and prepared a conceptual design of the selected design solution. The students made oral presentations at critical stages and produced a project brief, conceptual drawings, a poster and possibly a physical model. The course was team-taught by Civil Engineering faculty.

- Structural Analysis and Design (CIVL 7074) offered to 4th year students - Building on CIVL 7070, this course covered more advanced topics in structural modeling and analysis. Topics included P-delta analysis, second-order elastic and inelastic analysis and structural modeling using available analysis software. As the course project, the students modeled a three-story building in SAP2000 applying dead, live, wind and earthquake loads on their model. Using the design feature of the software, the students then optimized their design balancing cost, efficiency, utilization and constructability. Students were asked to do spot check hand calculations to compare their design with the software output. The final deliverable for this project was a structural analysis and design report.

POUREYA BAZARGANI (23-867-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

WSP USA
Massachusetts (United States)
Lead Structural Engineer
August 2024—October 2025

Verified by
Sabine Christiane Quinn
sabine.quinn@wsp.com

Experience Summary
Full-Time
Engineering: 1 year, 2 months
Experience under licensed engineer: 1 year, 2 months

TASKS

- Producing structural designs in reinforced concrete and steel for transportation and municipal infrastructure.
- Inspection and load-rating of aging transportation infrastructure
- Mentoring junior and intermediate engineers
- Leading structural design efforts
- Liaison and coordination with other groups and disciplines within the company
- Assisting with project management duties as needed

REPRESENTATIVE PROJECTS

Massachusetts Bay Transportation Authority - Green Line Wood Trough Replacement, Boston, MA: Inspected the entire Green Line network of tunnels to identify the locations and types of wood trough elements for removal – Designed eight different structural systems for attaching new fiberglass trough to the existing tunnel ceiling.

Massachusetts Bay Transportation Authority - Green Line Tunnel Load Rating, Boston, MA: Performed load rating of four sections of the Green Line tunnel structure in accordance with applicable AASHTO, FHWA and AREMA standards – Reviewed the calculations for six other sections along the tunnel and produced QC/QA records

Massachusetts Water Resources Authority - Metropolitan Water Tunnel Project, Boston, MA: Actively participating in structural/geotechnical design of the 15-mile-long deep rock water tunnel. Leading the design effort related to compilation of geotechnical investigation data, calculation of rock mass design parameters and loading diagrams for tunnel and shafts lining design. Coordinating the structural and geotechnical design efforts.

Port Authority of New York and New Jersey - Midtown Bus Terminal Replacement, NYC, NY: Performed structural design of drilled shaft foundations for vertical and lateral loads – Contributed to cross-checking of structural calculations to comply with the project's QA/QC procedures.

Clearlight Wind Turbine Generation Foundations, Saskatchewan, Canada: Performed Plaxis 3D analysis to evaluate the effect of cyclic loading on stiffness degradation of the soil supporting the foundation of a wind turbine with a hub height of 80 meters and to investigate the possibility of keeping the existing structure in service beyond its original design lifetime.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
October 2006	August 2007	I took one year off between the completion of my B.Sc. and starting my graduate studies.

CREDENTIALS EVALUATION - ENGINEERING

BAZARGANI, POUREYA
(23-867-34)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Shiraz University / Bachelors in Civil Engineering 09/01/2002 — 09/01/2006	Iran	Persian (Farsi)	53
University of British Columbia / Doctorate in Civil Engineering 09/01/2007 — 09/01/2014	Canada	English	None

COMPARABILITY SUMMARY

Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	32 / 32	Missing Biology or Chemistry
Engineering	71 / 48	None
General Education	20 / 12	None
Elective/Other	17 / N/A	None

SPECIAL NOTE

The NCEES Engineering Education Standard requires at least two courses in basic sciences. These courses must be in general chemistry, general calculus-based physics, or general biological sciences. The two courses may not be in the same area.

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Shiraz University / Bachelors in Civil Engineering	3
Calculus II	Shiraz University / Bachelors in Civil Engineering	3
Differential Equations	Shiraz University / Bachelors in Civil Engineering	3
Dynamics	Shiraz University / Bachelors in Civil Engineering	3
Engineering Geology	Shiraz University / Bachelors in Civil Engineering	3
Fluid Mechanics	Shiraz University / Bachelors in Civil Engineering	3
Numerical Analysis	Shiraz University / Bachelors in Civil Engineering	2
Physics I	Shiraz University / Bachelors in Civil Engineering	4
Physics II	Shiraz University / Bachelors in Civil Engineering	3
Probability & Statistics	Shiraz University / Bachelors in Civil Engineering	2
Statics	Shiraz University / Bachelors in Civil Engineering	3
	Total semester credit hours earned:	**32.00**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Architectural Design	Shiraz University / Bachelors in Civil Engineering	2
Concrete Technology	Shiraz University / Bachelors in Civil Engineering	3
Earthquake Engineering	Shiraz University / Bachelors in Civil Engineering	3
Electrical Engineering	Shiraz University / Bachelors in Civil Engineering	3
Engineering Hydrology	Shiraz University / Bachelors in Civil Engineering	2
Environmental Engineering	Shiraz University / Bachelors in Civil Engineering	2
Foundation Engineering	Shiraz University / Bachelors in Civil Engineering	4
Hydraulics	Shiraz University / Bachelors in Civil Engineering	3
Loading	Shiraz University / Bachelors in Civil Engineering	2
Matrix Analysis of Structures	Shiraz University / Bachelors in Civil Engineering	3
Pavement Design	Shiraz University / Bachelors in Civil Engineering	2
Project	Shiraz University / Bachelors in Civil Engineering	1
Reinforced Concrete Structures I	Shiraz University / Bachelors in Civil Engineering	3
Reinforced Concrete Structures II	Shiraz University / Bachelors in Civil Engineering	4
Road Construction	Shiraz University / Bachelors in Civil Engineering	3
Soil Mechanics I	Shiraz University / Bachelors in Civil Engineering	3
Soil Mechanics II	Shiraz University / Bachelors in Civil Engineering	3
Steel Structures I	Shiraz University / Bachelors in Civil Engineering	3
Steel Structures II	Shiraz University / Bachelors in Civil Engineering	3
Strength of Materials	Shiraz University / Bachelors in Civil Engineering	4
Structural Analysis I	Shiraz University / Bachelors in Civil Engineering	3
Structural Analysis II	Shiraz University / Bachelors in Civil Engineering	3
Structural Dynamics	Shiraz University / Bachelors in Civil Engineering	3
Water & Wastewater	Shiraz University / Bachelors in Civil Engineering	3
Water & Wastewater Engineering	Shiraz University / Bachelors in Civil Engineering	3
	Total semester credit hours earned:	**71.00**

GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
English	Shiraz University / Bachelors in Civil Engineering	3
English for Engineers	Shiraz University / Bachelors in Civil Engineering	2
Islamic Ethics	Shiraz University / Bachelors in Civil Engineering	2
Islamic History	Shiraz University / Bachelors in Civil Engineering	2
Islamic Revolution	Shiraz University / Bachelors in Civil Engineering	2
Islamic Studies I	Shiraz University / Bachelors in Civil Engineering	2
Islamic Studies II	Shiraz University / Bachelors in Civil Engineering	2
Islamic Texts	Shiraz University / Bachelors in Civil Engineering	2
Persian Language	Shiraz University / Bachelors in Civil Engineering	3
	Total semester credit hours earned:	**20.00**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Architecture & Urban Planning	Shiraz University / Bachelors in Civil Engineering	2
Computer Programming	Shiraz University / Bachelors in Civil Engineering	3
Construction Materials	Shiraz University / Bachelors in Civil Engineering	2
Construction Methods	Shiraz University / Bachelors in Civil Engineering	2
Internship	Shiraz University / Bachelors in Civil Engineering	2
Quantity Surveying & Estimation	Shiraz University / Bachelors in Civil Engineering	1
Surveying	Shiraz University / Bachelors in Civil Engineering	3
Technical Drawing	Shiraz University / Bachelors in Civil Engineering	2
	Total semester credit hours earned:	**17.00**

Total Semester Credit Hours Earned: 140

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

Post-graduate courses are ONLY used in an evaluation if they can assist in eliminating deficiencies that may be indicated in the undergraduate program.

Official Evaluations are ONLY available to state licensing boards and international exam sites through an applicant's NCEES account.

MARGARET DIGIORNO (23-746-30)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/08/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
2 years, 11 months

Experience under licensed engineer
2 years, 11 months

Other Experience

Disciplinary Action
None reported

FE EXAM PE EXAM

EDUCATION

Bachelors in Environmental Science
Northeastern University
August 2012–May 2017

Masters in Civil Engineering
University of Colorado, Boulder
August 2020–December 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
October 2023

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2025

LICENSES

Additional Licenses
None

MARGARET DIGIORNO (23-746-30)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Antea Group
Connecticut (United States)
Project Professional
August 2017—August 2020

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

MARGARET DIGIORNO (23-746-30)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

US Bureau of Reclamation
Nevada (United States)
Hydrologist
January 2023—June 2024

Verified by
Noe Isaac Santos
nsantos@usbr.gov

Experience Summary
Full-Time
Engineering: 1 year, 5 months
Experience under licensed engineer: 1 year, 5 months

TASKS

I optimized hourly water releases from Davis and Parker dams to minimize flood risk, ensure water deliveries, meet delivery and salinity requirements for Mexico, optimize hydropower generation, protect endangered species, and support recreation.

I modeled short- and mid-term operations (hourly to 5-year time scale) using deterministic and probabilistic RiverWare models of the Colorado River Basin. I conducted model maintenance and ruleset development.

I analyzed data (including reservoir pool levels and outflows, river stages, and rating curves for river stations) collected by field staff, dam employees, and other federal agencies to ensure the quality was sufficient to support operational decisions.

I designed and maintained tools to access and visualize data from a variety of sources (spreadsheets, websites, REST API, Oracle database) and generated reports using programming (R, Python, VBA) and Power BI.

I communicated the state of the system and current hydrologic conditions to federal, state, and local partners.

REPRESENTATIVE PROJECTS

Colorado River Mid Term Modeling System (CRMMS)
Project Location: Lower Colorado River Basin (Nevada/California/Arizona/Utah)
Project Dates: January 2023 – June 2024

I was part of a team that produced monthly projections of the Colorado River system's conditions for the next two years to support operational decision making and water management planning. We used a rule-based water management model (RiverWare) to simulate how water is released and delivered under various hydrologic conditions.

I compiled and analyzed input data (observed reservoir pools and river stages, predicted inflows from the National Weather Service, and planned diversions/water use) for the model to make sure it was complete and accurate. After running the model, I validated the results statistically comparing them to previous runs and known hydrologic conditions to ensure it was functioning properly. Careful review, in collaboration with many other engineers, was crucial because the reservoir levels predicted by this complex model determine how much water will be delivered to all users in the Colorado River Basin. As needed, I updated the model rule set to reflect changes in operations.

MARGARET DIGIORNO (23-746-30)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

US Army Corps of Engineers
Massachusetts (United States)
Civil Engineer
June 2024—December 2025

Verified by
Jason Paolino
Jason.A.Paolino@usace.army.mil

Experience Summary
Full-Time
Engineering: 1 year, 6 months
Experience under licensed engineer: 1 year, 6 months

TASKS

I plan releases from seven flood control dams in the Upper Connecticut River Basin in accordance with applicable authorizations, policy, and regulatory requirements, to minimize flooding in the communities that they protect.

I maintain the automatic data collection system to collect data from dams and river gages. This includes programming, database management, and hardware acquisition/installation/maintenance.

I simulate hydrologic and hydraulic characteristics of the Connecticut River basin for engineering analysis using models including: HEC-MetVue, HEC-HMS, HEC-ResSim, and HEC-RAS. These models allow for the prediction of reservoir inflows, river stages, and inundation depths based on measured precipitation. I calibrate model parameters such as loss rates and baseflow to represent real world conditions.

I ensure that hardware and data quality at collection sites meets the needs for accurate modeling in collaboration with the US Geological Survey (USGS) and National Weather Service (NWS) River Forecast Center.

I conduct hydrologic studies associated with regulation activities such as determining flood control benefits and developing flood forecasting/routing procedures for existing projects.

REPRESENTATIVE PROJECTS

Reservoir Regulation
Project Location: Surry Mountain Dam, Surry, NH
Dates: June 2024 - December 2025

I planned outflow schedules (in accordance with the water control manual, physical constraints of the dam, channel capacity, and state regulations for endangered species) to release water after storms, for recreation, and for regular maintenance. I calculated future reservoir stage based on the current level, predicted inflows, release schedule, and the known storage-elevation relationship.

I designed the installation of a temporary pool level sensor using a pressure transducer, solar panel, and radio to collect and transmit data after the float well was damaged and became inoperable at some pool levels.

I reviewed parcels downstream of the dam to determine whether additional easements were needed. This included geospatial analysis to determine if structures were within the FEMA flood zone and whether they would be inundated under different flow scenarios based on the results of our hydraulic model.

Surry Mountain Dam is one of the seven dams that I am responsible for in the Upper Connecticut River Basin and I have performed similar work at all of the dams.

COLTON HONEY (22-356-08)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
02/02/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 1 month

Total Engineering Experience
4 years, 1 month

Experience under licensed engineer
4 years, 1 month

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
Brigham Young University
September 2017–December 2021

EXAMS

Fundamentals of Engineering (FE)
Utah
October 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
August 2025

LICENSES

Additional Licenses
None

WORK EXPERIENCE

AtkinsRealis
Nevada (United States)
Engineer II
January 2022—February 2026

Verified by
Gary Iwata
gary.iwata@atkinsrealis.com

Experience Summary
Full-Time
Engineering: 4 years, 1 month
Post EAC degree: 4 years, 1 month
Experience under licensed engineer: 4 years, 1 month

TASKS

1. Cost estimates: Using Microsoft Excel, I prepared cost estimates for many different kinds of projects including roads, detention basins, curb ramps, and more. I would ensure that every cost on a project was accounted for, so the client knew how much a project would cost them.

2. Plan Preparation: Using Civil 3D and Bluebeam, I prepared plans for construction. I would do everything from labeling to cutting sheets to addressing comments from QC and agencies.

3. Road Design: I designed roads based off a given alignment of the road. I designed the road both horizontally and vertically ensuring that the road complied with Summerlin and AASHTO standards. Most roads had sidewalks, landscape areas, and medians that also needed to be designed.

4. Wet Utility Design: I designed the wet utilities that run under the roads as well as outside of the roads. I ensured that the wet utilities complied with local standards. Some standards included vertical/horizontal clearances, minimum depth of cover, and a minimum slope for storm and sewer pipes.

5. Grading Design: I graded roads, intersections, and more. I would be given little direction and trusted to follow standards based off given constraints.

6. Submittal Packages: When the project was ready, I was tasked to prepare all the documents, CAD, and plans to submit to the respective agencies and client.

REPRESENTATIVE PROJECTS

The list of projects below show how diversified my skills and knowledge have become since I started as an Engineer I.

4532 Reservoir, Summerlin, Nevada. 11/2025-present
Engineer II. I designed the wet utilities throughout the reservoir project. This was the first time I worked on a reservoir project. This project had many challenges as I had to coordinate with many different disciplines including mechanical, plumbing, and other civil teams. I was placed on this project in the heat of a deadline. I had to acclimate quickly in order to have the project ready for submittal.

TxDOT Henderson Maintenance Facility, Henderson, Texas. 05/2025-present
Engineer II. I designed the wet utilities leading up to the building and prepared plans for construction. This project allowed for growth outside of my normal work in Nevada. I had to become familiar with standards and drawing details that I was not familiar with.

Tonopah and Beatty Airport Rehabilitation, Nye County, Nevada. 01/2025-03/2025
Engineer II. I prepared the plans for the pavement rehabilitation of both the Tonopah and Beatty airports. The plans included a seal coat and the removing and reapplying of pavement markings. This project included coordination with the electrical team to ensure the electrical plans didn't conflict with the civil plans. As this was my first airport project, I had to acclimate myself with all the airport vocabulary and standards that apply in aviation. I quickly became familiar with the basics of aviation, and I was able to get both projects submitted on time.

V22 One-Way Couplet ADA Curb Ramps, Summerlin, Nevada. 01/2024-05/2025
Engineer II. I designed 52 ADA curb ramps to be compliant with ADA standards. This project was challenging due to the steep

grade of the roads and terrain in Summerlin, Nevada. I had to dive into all the constraints and standards of curb ramps. It was difficult to comply with ADA standards, but through many design iterations, I was able to design the curb ramps to meet standards. After this project was over, I was very familiar with the ADA standards for curb ramps.

V27 Parcel D Drainage Infrastructure, Summerlin, Nevada.11/2023-07/2025
Engineer II. I designed floodwalls, an open channel, and other drainage apparatus to convey water away from future developments. This project was my first introduction to wall design. This project had many challenges including a redesign of the flood channel to better comply with what the city desired.

V27 Twilight Run Drive, Summerlin, Nevada. 08/2023-11/2024
Engineer II. I designed the road and wet utilities for this road. This was one of my first road projects as an engineer II where I helped with the design. I had worked on many road projects previously as an Engineer I, but this was the first time I got to help with the design.

Pattern Energy Barceloneta PV Solar Farm, Sabana Hoyos, Arecibo 11/2023-01/2024
Engineer I. This was the first project as an Engineer I that wasn't a road. It was also the first project I worked on outside of Nevada. My main role was plan production including labeling, and basic CAD work. This project helped me get outside Nevada and work with other people that I don't usually work with.

V22 Lake Mead Blvd, Summerlin, Nevada. 06/2022-08/2022
Engineer I. I did simple tasks like adding labels and updating 2D linework. The road was designed by another engineer, and I helped with simple linework changes and labeling.

As an Engineer I, I worked on a lot of road projects similar to V22 Lake Mead Blvd listed above. I mainly worked on simple tasks like adding labels or cleaning up plans. It wouldn't make sense to write down every project I worked on as an Engineer I as the projects were relatively the same concept, and my tasks were generally the same.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2014	August 2017	I attended BYU from September 2014 to December 2014. I then served a 2-year service mission for my church from January 2015-January 2017. I worked for my uncle at his doctor's office from February 2017 - August 2017.

BRANDON HUYNH (21-898-22)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
04/14/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
3 years, 8 months

Total Engineering Experience
4 years, 8 months

Experience under licensed engineer
4 years, 8 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Las Vegas
August 2018–May 2022

Masters in Civil and Environmental Engineering
University of Nevada, Las Vegas
August 2022–December 2023

EXAMS

Fundamentals of Engineering (FE)
Nevada
August 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
January 2024

LICENSES

Additional Licenses
None

WORK EXPERIENCE

WSP USA
Nevada (United States)
Consultant Structural Engineer
May 2021—January 2026

Verified by
Kaushal H Shah
Kaushal.Shah@wsp.com

Experience Summary
Full-Time
Engineering: 4 years, 8 months
Post EAC degree: 3 years, 8 months
Experience under licensed engineer: 4 years, 8 months

TASKS

As an assistant structural engineer, I assisted in compiling calculation packages with proper cover pages, design narratives, table of content, and dividers. I regularly back checked structural plans from CAD group. I designed minor structural elements such as fence anchor bolts and plate and calculated permanent and transient design forces using excel or Mathcad regularly. I also performed QC on simple structural calculations. I was also responsible for calculating bridge quantities.

As an associated structural engineer, I regularly assembled calculations (using excel, Mathcad, and/or software) for various structural components and elements particularly those pertaining to bridges, ancillary structures, and drainage structures. I engaged in preparing markups for structural plans and reviewed RFI's and submittals from contractor.

As a consultant structural engineer, I regularly coordinate with roadway and drainage engineers within the office for any structures such as bridges, drainage structures, and ancillary structures. I am responsible for preparing calculations (using excel, Mathcad, and/or software) for the same various structural elements such as beams, slabs, barriers, cast-in-place concrete retaining walls, reinforced concrete box culverts, moment slabs, shallow foundations, and bridge substructure and superstructure components such as wingwalls, deck slab with overhang, girder design, abutments on deep or shallow foundations, piers column, pier cap, and pier foundation. I have been involved with preparing line work in Civil 3D or MicroStation for bridge superstructure and substructure elements/components. I have prepared quantity estimates, cost estimates, and hour estimates. I have put together type selection reports for bridge proposal. I am very involved with putting together markups for plan set assembly. I have performed QC/QA for structural calculations and plan sets and have reviewed RFIs and submittals.

REPRESENTATIVE PROJECTS

CCPW Peace Way Bridge over Clark County 215 (August 2022 to May 2025) – in this project, I was a part of the bridge design from 60% phase to the design services during construction phase now. This project involved the design of a two-span precast-prestressed concrete girder bridge. I was involved with the design calculation of the dozer abutments, wingwalls, moment slabs, and shallow foundations to support light poles. I did an independent geometry check to ensure proper seat elevations, pier cap elevations, wingwall elevations, and top of deck elevations using excel. I prepared markups for CAD development and performed back checks on plan details. I put together quantity and cost estimates for the entire bridge which included excavation and fill, structural steel, reinforcing steel, concrete, fine surface finish, girder, and miscellaneous structural items. I have reviewed RFIs and submittals.

CCPW Western Beltway Trails (June 2023 to June 2026) – This project involved the design of cast in place retaining walls running from Peace Way Bridge to the north along the Clark County 215 beltway. I was the designer for the retaining walls which varied based on the proposed grading and location. I assembled calculations for the retaining walls using excel with reference to the 9th Edition of AASHTO Bridge Design Specifications and the NDOT Structures Manual with Revisions through 2019. I prepared all markups and structural details for this project. Additionally, I regularly coordinated with the roadway and drainage group to ensure that the retaining walls supporting the trail provided enough clearance to the existing Fort Apache Bridge and to avoid surcharging pipes on the beltway. I responded to comments from client and made corrections to the plan as it progressed from its initial phase to bidding phase. I have also put together quantity and cost estimates for the retaining walls which included excavation and fill, structural steel, reinforcing steel, concrete, and fine surface finishes.

CCPW Hollywood BLVD Extension Phase I – This project involved the design of barrier retaining walls that spans parallel to the proposed channel. I provided calculations for the design of the barrier retaining walls and provided markups for the barrier retaining wall details. I coordinated with the drainage engineer and traffic engineer to ensure there were no conflicts with other proposed elements such as light poles and the channel.

CCPW Hollywood BLVD Extension Phase II (March 2024 to October 2026) – This project involved the design of three total bridges. Two three-span prestressed precast girder bridges and a pedestrian bridge. As the designer, I was responsible for putting together the structural master file which contained the primary line work for the bridge plan and elevation views. I regularly coordinated with the roadway and drainage team to better understand the limits of the bridges and to accommodate for any other proposed structures e.g. rectangular channel and retaining walls. I provided calculations for the deck slab with overhang, deck barriers, pedestrian fence, abutment on pile cap with pile foundation, and girder design using PGSuper software all with reference to the 9th Edition of AASHTO Bridge Design Specifications and the NDOT Structures Manual with Revisions through 2019. I also assembled an excel for the designer geometry check to determine the seat elevations, pier cap elevations, and top of deck elevations along every 10th point of every girder on every span. I provided markups for bridge detail CAD development.

CHRISTINE LARRANCE (20-111-78)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
02/03/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 10 months

Total Engineering Experience
4 years, 10 months

Experience under licensed engineer
4 years, 10 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
California State University, Chico
August 2016–May 2019

EXAMS

Fundamentals of Engineering (FE)
California
August 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
November 2024

LICENSES

Additional Licenses
None

CHRISTINE LARRANCE (20-111-78)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

South Tahoe Public Utility District
California (United States)
Engineering Intern
May 2019—June 2020

Verified by
Brent David Goligoski
bgoligoski@stpud.us

Experience Summary
Full-Time
Engineering: 1 year, 1 month
Post EAC degree: 1 year, 1 month
Experience under licensed engineer: 1 year, 1 month

TASKS

Under the direction of the Associate Engineer, the Engineering Intern provides assistance to project managers and inspectors on various engineering tasks. Duties may include developing AutoCAD drawings, writing project specifications, performing engineering calculations, providing permitting assistance, reviewing submittals, collecting and processing field data and supporting construction inspection.

REPRESENTATIVE PROJECTS

2020 Sewer Improvements Project - This project was composed of three smaller projects with various locations.

Apache Ave Sewer Replacement: This project installed approx. 2,000 linear feet of 8 inch gravity sewer main on Apache Ave in the South Lake Tahoe basin. During the design phase, I held the survey rod on top of existing manholes for the Associate Engineer to capture the elevations. I took the survey data we gathered to draft the design drawings for bidding, and provided field project oversight during construction.

Tahoe Keys and Upper Truckee Sewer Force Main Bypass Stations: This project installed valves that enabled the attachment of temporary sewer pipes to bypass future force main repairs. I drafted the design drawings for this project.

Santa Fe Maintenance Yard: This project provided site improvements through improved drainage and pavement facilities that improved stormwater response during rain events. During the design phase, I held the survey rod and took turns with the Associate Engineer to record the elevations. I took the survey data we collected to draft the project design drawings.

2019 Heavenly Tank Rehabilitation - This project was a water tank coating rehabilitation project. I provided field project oversight during construction and drafted the as-built plan set.

Spill Prevention Control and Countermeasure Plan - Under the direction of the Engineering Manager, this project updated the Spill Prevention Control and Countermeasure Plan for both the Wastewater Treatment Plant and the Luther Pass Pump Station. I reviewed the governing code and compared our plan to verify that our 2020 updated document conformed to standard.

CHRISTINE LARRANCE (20-111-78)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Douglas County Public Works
Nevada (United States)
Engineering Technician
April 2022—January 2026

Verified by
Richard Lee Robillard
rrobillard@douglasnv.us

Experience Summary
Full-Time
Engineering: 3 years, 9 months
Post EAC degree: 3 years, 9 months
Experience under licensed engineer: 3 years, 9 months

TASKS

Under the direction of the Deputy Director, the Engineering Technician provides assistance to the Engineers and Senior Engineer on various engineering tasks. Duties may include developing AutoCAD drawings, writing project specifications, performing engineering calculations, providing permitting assistance, reviewing submittals, collecting and processing field data and supporting construction observation.

REPRESENTATIVE PROJECTS

Barling Lift Station Replacement - 8/2/2022 through 7/3/2025. I coordinated with sewer operations staff to verify the alignment of the Meridian Lift Station Force Main by using our GPS unit to capture points in our GIS system. The data I gathered was submitted to the design consultant during the design phase of this project. During the construction phase of this project, I covered observations for the project engineer when he was out and I wrote daily observation reports when I was on site.

NVWWTP Effluent Storage Pond Slope Repair - 2/1/2024 through 7/22/2024. This project was phase 2 in which the contractor would install a liner to prevent weed growth and riprap to stabilize the slope at the North Valley Wastewater Treatment Plant Effluent Storage Pond. During the Construction Phase, I collected GPS points on the toe and top of the riprap slope for a change order. This change order addressed additional materials that the contractor needed to install to a quadrant because it was not constructed during the previous phase of the project. During this project, I filled in as the observer for Public Works when the project Engineer went on vacation.

Uppaway Meters Installation Project - Design Phase: 8/12/2022 through 2/21/2023; Construction Phase: 6/19/2023 through 5/8/2024. This project installed 27 domestic water meter pits onto residential water service laterals near Glenbrook, Nevada. I collected GPS points for the approximate location of the existing water laterals and I drafted the design drawings and project specifications for bidding. I organized and conducted the bid openings. I provided field project observation during construction. After construction, I finalized the record drawings and filed the project completion paperwork with the Labor Commission.

Foothill Sewer Air Vac Project Phase 3 - 1/31/2024 through 10/31/2024. This project installed 7 new sewer air vacuum valves at various locations near Genoa, Nevada. I coordinated with sewer operations staff to locate the existing assets that were at the end of their useful life in the field. I used our GPS unit to capture those asset locations in our GIS. I utilized both ArcGIS and AutoCAD to draft the design drawings and project specifications. I organized and conducted the bid openings for the project. During the construction phase, I was the observer that captured photos and wrote daily observation reports. After construction, I conducted the final walk through and wrote up a punch list for the Contractor to address before the project was finalized.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2013	July 2016	I was attending college during this time to pursue my Bachelor's Degree in Civil Engineering.
July 2020	March 2022	This was a period of independent study to acquire my California Engineer-in-Training certificate after the conclusion of my temporary internship with South Tahoe Public Utility District. I was actively seeking employment in Enginering during this period.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
02/03/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
9 years

Experience under licensed engineer
8 years, 7 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

4+

EDUCATION

Associates in Construction Technology
Monroe Community College
September 2011–May 2013

Bachelors in Civil Engineering Technology (ETAC)
Rochester Institute of Technology
September 2013–May 2016

EXAMS

Fundamentals of Engineering (FE)
Pennsylvania
February 2016

Principles and Practice of Engineering (PE)
Civil
Nevada
January 2026

LICENSES

Additional Licenses
None

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Cooperative Engineering Student
January 2016—May 2016

Verified by
Timothy Floyd Wade
twade@ravieng.com

Experience Summary
Full-Time
Engineering: 4 months
Experience under licensed engineer: 4 months

TASKS

As a Cooperative Engineering Student, I reviewed design drawings, codes and specifications to gain familiarity with standard structural engineering practices. Working directly under the supervision of a Professional Engineer, I performed structural engineering design work for commercial buildings and bridge and highway projects. I performed detailed load calculations in accordance with relevant codes and standards, including ASCE 7, BCNYS, ACI, AISC to ensure structural integrity and code compliance. I produced construction documents, including structural plans, sections, and details using AutoCAD.

REPRESENTATIVE PROJECTS

OGS Expand Medical Building No. 211, Taconic Correctional Facility, Bedford Hills, NY

This project included the structural design of the expansion to an existing medical building. I was a cooperative engineering student responsible-in-charge for the following structural engineering on this project:

I established the structural design criteria using the International Building Code (IBC), Building Code of New York State (BCNYS), and ASCE 7-10. I analyzed the existing roof truss system and preformed calculations to determine the additional sliding, drift and intersection roof snow loads imposed by the building addition. I designed additional required roof truss bracing including web and chord reinforcement to accommodate the increased loads. I prepared construction details for the bracing system, showing reinforcing layouts, truss connection modifications and anchorage requirements.

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Field Engineer
May 2016—November 2016

Verified by
Robert J Cebulski
r.j.cebulski33@gmail.com

Experience Summary
Full-Time
Engineering: 6 months
Experience under licensed engineer: 6 months

TASKS

As a Field Engineer, I worked on an infrastructure project that included the replacement of five bridges and associated roadway improvements. I evaluated field conditions throughout demolition and construction phases to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted daily field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

Reg 2 & 9 Design Build, Ilion and Sharon Springs, NY

This project replaced five bridges with prestressed concrete box beam superstructures, and associated roadway and safety upgrades. I was a Field Engineer responsible-in-charge for the following engineering on this project:

I monitored contractor operations to ensure compliance with project plans, structural details, specifications, and permit conditions during demolition and construction. I confirmed survey layout and field measurements prior to demolition and beam placement to prevent alignment and fit issues. I reviewed reinforcing steel placement, beam bearing conditions, concrete placement methods, and material acceptance. I reviewed field test data for concrete placements as well as assessed subgrade and subbase preparation by reviewing material classifications, moisture content, and compaction test results.

When discrepancies or nonconforming work were identified, I analyzed corrective actions with senior engineers and contractors to maintain compliance and design intent. One deficiency I identified was the contractor’s omission of a specified transverse construction joint, with reinforcing steel placed continuously through the intended break. I developed a field detail identifying bar terminations and recommended formwork modifications that allowed work to proceed on schedule while restoring design function.

I reviewed and approved the setup of phased long-term work zone traffic control for compliance with MUTCD standards and project phasing plans. This included reviewing work zone layouts for appropriate signage, striping, taper lengths and lane transitions, and making field adjustments to maintain safe and efficient traffic flow through each construction phase.

I estimated material quantities for concrete, reinforcement, and structural components and recommended payments for work completed. I prepared detailed inspection reports, photographs, and progress updates, documenting compliance, and providing recommendations to address emerging field issues.

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Structural EIT
November 2016—April 2017

Verified by
Timothy Floyd Wade
twade@ravieng.com

Experience Summary
Full-Time
Engineering: 5 months
Experience under licensed engineer: 5 months

TASKS

As an Engineer-in-Training, I performed structural engineering design for commercial and industrial buildings under the supervision of a licensed PE. I analyzed existing structures for adequacy, identified deficiencies, and developed retrofit solutions. I performed detailed load calculations using ASCE 7, BCNYS, ACI, AISC, and NDS (for timber design) to ensure code compliance. I produced construction documents, including plans, sections, and details in AutoCAD. I designed structural systems in wood, steel, concrete, and masonry and reviewed contractor submittals for compliance with specifications and codes.

REPRESENTATIVE PROJECTS

Canalside South Auditorium Block Redevelopment, Buffalo, NY

This project involved the structural design of a four-story Children's Museum and office spaces utilizing steel framing, cast-in-place concrete floors, and a metal roof deck roof diaphragm system. I was an Engineer-in-Training responsible-in-charge for the following structural engineering on this project:

I reviewed pile cap layouts and reinforcement to verify load transfer to the deep foundation system. I designed a cast-in-place retaining wall, including surcharge load, earth pressure, and stability calculations per ACI 318, and prepared reinforcement and drainage details. I designed the stair system (beam sizing and detailing) per AISC and developed stair sections to verify clearances. I designed an elevator hoist way within an existing foundation, including pit, shaft wall, and support details. I designed chevron brace connections from calculated seismic and wind brace forces completed by others and produced gusset plate and weld details. I developed structural details and sections in AutoCAD, which were incorporated into the final issued-for-construction drawings.

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Field Engineer
April 2017—January 2018

Verified by
Francis Alex Dahar
DaharFA@erdmananthony.com

Experience Summary
Full-Time
Engineering: 9 months
Experience under licensed engineer: 9 months

TASKS

As a Field Engineer, I worked on a roadway infrastructure improvement project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

City of Rochester Goodman/ Main St., Rochester, NY

This project involved pavement rehabilitation, ADA compliance upgrades, and drainage infrastructure improvements to 3.25 miles of city streets. The scope included sidewalk and curb ramp reconstruction, intersection realignment, concrete medians, pedestrian signal installation, updated traffic patterns, and drainage improvements. I was a Field Engineer responsible-in-charge for the following engineering on this project:

I verified and redesigned curb ramp and sidewalk layouts based on field conditions, ensuring that standard design types could be constructed to meet NYSDOT and ADA slope, landing and accessibility requirements. I verified existing site conditions and field-measured key dimensions for layout and alignment. I conducted field inspections to verify drainage structure elevations, alignments, and pipe connectivity. I evaluated asphalt and concrete material test results and construction operations for compliance with design specifications and quality standards.

I monitored subgrade and pavement layer construction, evaluating compaction test results, asphalt temperatures, and material placement methods to ensure compliance with NYSDOT standards. I assessed test data and issued acceptance recommendations or corrective actions based on engineering evaluation. I reviewed traffic signal and signage layout installations for accuracy and conformance with contract drawings, MUTCD standards, and sight distance requirements. I verified pavement marking layouts and made field adjustments to ensure visibility, safety, and adherence to design intent.

I identified and resolved field discrepancies by issuing engineering recommendations that maintained design compliance and construction efficiency. I reviewed Maintenance and Protection of Traffic (MPT) setups for conformance with project phasing and MUTCD standards, and documented field progress, quality observations, and corrective actions in daily inspection reports.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Structural EIT
January 2018—May 2018

Verified by
Timothy Floyd Wade
twade@ravieng.com

Experience Summary
Full-Time
Engineering: 4 months
Experience under licensed engineer: 4 months

TASKS

As an Engineer-in-Training, I performed structural engineering design for wastewater and industrial facilities under the supervision of a licensed PE. I analyzed existing structures for adequacy, identified deficiencies, and developed retrofit solutions. I performed detailed load calculations using ASCE 7, BCNYS, ACI, AISC, and NDS (for timber design) to ensure code compliance.

I used RISA and Enercalc to model structural behavior under gravity, wind, and seismic loads. I reviewed framing layouts for constructability, efficiency, and architectural coordination. I produced construction documents in AutoCAD, designed systems in wood, steel, concrete, and masonry, and reviewed contractor submittals for compliance with structural specifications and codes.

REPRESENTATIVE PROJECTS

OGS Green Haven Correctional WWTF, Stormville, New York

This project involved the structural design of a new wastewater treatment infrastructure. The scope included multiple cast-in-place environmental concrete structures used in the treatment and storage of wastewater, along with associated support structures. I was an Engineer-in-Training responsible-in-charge for the following structural engineering on this project:

I designed a cast-in-place sludge drying bed, including foundation walls, spread footings, and a timber-framed roof structure, with calculations per ASCE 7-10 and BCNYS. I prepared drawings for foundation plans, wall sections, and reinforcement details for base slabs and perimeter walls. I designed a concrete fluid containment area within the support building storage area, analyzed loads from specified fluid volumes and surcharge loads, and detailed walls, slabs, and joints. I specified a corrosion-resistant fiberglass grating system, verified load capacity, and prepared anchorage and layout details. I reviewed and verified reinforced concrete tank designs (equalization, clarifier, aeration, rotating biological contactors, and aerobic digester), including checks for hydrostatic pressure, soil loads, and buoyancy resistance from groundwater uplift. I developed layout plans, reinforcement details, and construction joints, including provisions for water stops and mechanical penetrations. My design work and detailing were incorporated into the final structural construction documents issued for bidding and construction.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Field Engineer
May 2018—October 2018

Verified by
Sean Robert Schumacher
sschumacher@ravieng.com

Experience Summary
Full-Time
Engineering: 5 months
Experience under licensed engineer: None

TASKS

As a Field Engineer, I worked on a roadway infrastructure improvement project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted daily field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

Monroe County Highway Program, Webster, NY

This project involved pavement repairs, ADA compliance upgrades and drainage infrastructure improvements to 9.5 miles of streets. The scope included sidewalk and curb ramp reconstruction, pavement resurfacing, and drainage structure improvements. I was a Field Engineer responsible-in-charge for the following engineering on this project:

I verified and redesigned curb ramp and sidewalk layouts based on field conditions, ensuring that standard design types could be constructed to meet NYSDOT and ADA slope, landing and accessibility requirements. I verified field conditions and dimensions to confirm constructability and compliance prior to installation. I evaluated the condition of existing stormwater drainage pipes before and after cleaning to assess structural integrity and flow capacity. I identified drainage structure defects requiring rehabilitation and issued field directives for specific repairs. I monitored the installation of cured-in-place pipe (CIPP) lining, verifying alignment, curing method, and end seal connections for compliance with project specifications. I evaluated asphalt and concrete material test results and construction operations for compliance with design specifications and quality standards.

I identified and resolved field discrepancies by issuing engineering recommendations that maintained design compliance and construction efficiency. I reviewed Maintenance and Protection of Traffic setups for conformance with project phasing and MUTCD standards, and documented field progress, quality observations and corrective actions in daily reports.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Structural EIT
October 2018—May 2019

Verified by
Timothy Floyd Wade
twade@ravieng.com

Experience Summary
Full-Time
Engineering: 7 months
Experience under licensed engineer: 7 months

TASKS

As an Engineer-in-Training, I performed structural engineering design for commercial and industrial facilities under the supervision of a licensed PE. I analyzed existing structures for adequacy, identified deficiencies, and developed retrofit solutions. I performed detailed load calculations using ASCE 7, BCNYS, ACI, AISC, and NDS to ensure code compliance.

I used RISA and Enercalc to model structural behavior under gravity, wind, and seismic loads. I reviewed framing layouts for constructability, efficiency, and architectural coordination. I produced construction documents in AutoCAD, designed systems in steel, concrete, and masonry, and reviewed contractor submittals for compliance with structural specifications and codes.

REPRESENTATIVE PROJECTS

NYSDOT Massena Salt Storage, Norfolk, NY

This project involved the structural design of a new Salt Storage garage and office area. The scope included a CMU/ steel truss office building and foundation design for a rigid frame garage. I was an Engineer-in-Training responsible-in-charge for the following structural engineering on this project:

I completed structural design criteria in accordance with BCNYS and ASCE 7-10, including live, dead, snow, and wind loads. I designed reinforced concrete foundation walls, columns, slabs-on-grade, and tension struts/splices. I designed CMU walls for the office and a freestanding CMU fire wall, including checks for stability, reinforcement, and control joint spacing. I designed CMU-to-steel framing connections to ensure load transfer and composite behavior. I revised and expanded construction documents, including foundation and framing plans, wall sections, details, and structural notes. I developed CAD drawings incorporated into the final issued-for-construction set

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Field Engineer
May 2019—December 2019

Verified by
Robert Albert Traver
rtraver@popligroup.com

Experience Summary
Full-Time
Engineering: 7 months
Experience under licensed engineer: 7 months

TASKS

As a Field Engineer, I worked on a roadway infrastructure improvement project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted daily field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

Monroe County Lake Road Improvements Phase 1, Webster, NY

This project involved infrastructure improvements along a 2.3-mile corridor, including replacement of three large culverts, construction of one cast-in-place concrete retaining wall and one precast modular block wall, installation of 45 new drainage structures, full guide rail replacement, directional drilling of an 8-inch water main, shoulder restoration, and variable-depth HMA paving. I was a Field Engineer responsible-in-charge for the following engineering on this project:

I reviewed daily field activities for compliance with design specifications and regulatory requirements. I evaluated culvert installations by verifying site conditions, pipe materials, and invert elevations against approved plans. I reviewed concrete formwork, rebar placement, and construction methods for the cast-in-place retaining wall and verified block alignment and subbase preparation for the precast modular wall. I assessed subgrade and subbase preparation by reviewing material classifications, moisture content, and compaction test results. I monitored paving operations to ensure compliance with mix design, temperature, and compaction requirements, issuing recommendations to address deviations affecting pavement quality and durability.

I evaluated drainage structure placement and adjusted inlet elevations based on field survey data to ensure positive flow and system connectivity. I reviewed guide rail layouts for compliance with standards and inspected traffic control setups and detours for conformance with MUTCD and phasing requirements. I conducted SWPPP inspections, identified deficiencies in erosion and sediment control measures, and discussed them with the lead engineer to issue corrective actions as needed. I coordinated with contractors and engineers to resolve constructability challenges and conflicts while maintaining design intent, safety, and code compliance.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Structural EIT
December 2019—March 2020

Verified by
Timothy Floyd Wade
twade@ravieng.com

Experience Summary
Full-Time
Engineering: 3 months
Experience under licensed engineer: 3 months

TASKS

As an Engineer-in-Training, I performed structural engineering design for commercial and industrial buildings under the supervision of a licensed PE. I analyzed existing structures for adequacy, identified deficiencies, and developed retrofit solutions. I performed detailed load calculations using ASCE 7, IBC, BCNYS, ACI, AISC, and NDS to ensure code compliance.

I used RISA and Enercalc to model structural behavior under gravity, wind, and seismic loads. I reviewed framing layouts for constructability, efficiency, and architectural coordination. I produced construction documents in AutoCAD, and Revit, designed systems in steel, concrete, and masonry, and reviewed contractor submittals for compliance with structural specifications and codes.

I also conducted site visits to document existing conditions, verify dimensions, and assess conformance with design intent. Structural evaluations were performed based on field observations and load path analysis, with written recommendations prepared for the client.

REPRESENTATIVE PROJECTS

Watertown International Airport Air Methods Hangar, Dexter, NY

This project involved the structural design of a new 6,000 square foot pre-engineered metal building (PEMB) aircraft hangar with an attached 1,500 square foot dormitory area and utility storage areas. I was an Engineer-in-Training responsible in charge for the following structural engineering on this project:

I completed structural design criteria per BCNYS, and ASCE 7-10. I evaluated non-standard loads (roof antennas, gantry cranes) and incorporated them into the design of primary structural elements. I designed a 5-ton monorail hoist beam and its connections to the building framing. I reviewed the geotechnical report and designed column footings and piers pinned to shallow bedrock. I calculated the required building foundation uplift and thrust load due to wind and unbalanced snow, and designed anchors, spread foundations, and reinforcement details to resist these forces. I designed a hangar slab-on-grade for H-10 loading and analyzed alternate equipment load scenarios. I designed reinforced concrete foundations for a water storage system housing two 35,000-gallon tanks and pumps. I prepared foundation plans, reinforcement layouts, details, and specifications for concrete, reinforcement, steel, PEMB elements, and statement of special inspections for 100% complete construction documents.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Project Engineer / EIT
March 2020—December 2020

Verified by
John Edward Grady
jgrady@ravieng.com

Experience Summary
Full-Time
Engineering: 9 months
Experience under licensed engineer: 9 months

TASKS

As a Project Engineer, I worked on an infrastructure project that included the rehabilitation of two bridges and associated roadway improvements. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

NYSDOT Multi-site Bridge Rehabilitation – Augur Lake Rd over I-87, RTE US-9/SH 22 over I-87 – Keeseville, NY

This NYSDOT project involved two bridge rehabilitations, including full deck replacement with lightweight high-performance concrete, polymer concrete overlay (PPC), bearing replacements via structural lifting, concrete pier infill walls, steel diaphragm installation, and joint and guide rail upgrades. I was a Project Engineer responsible-in-charge for the following engineering on this project:

I reviewed demolition plans, verified limits, and monitored staged deck removal to protect load paths and substructures. I evaluated deteriorated concrete and verified surface preparation prior to deck placement. I reviewed and approved mix design submittals, calculated material quantities for concrete pours, and verified reinforcement layout for compliance with project plans.

I evaluated structural lifting operations by verifying jacking points, lift sequences, and hydraulic pressures, documenting elevation changes to ensure alignment within tolerance. I reviewed submittals for polymer overlay and joint systems, verifying compliance with design specifications and performance requirements. I assessed substrate preparation, moisture content, and application rates to ensure proper adhesion and surface finish.

I interpreted field test data for concrete and fill materials, analyzing slump, air content, compressive strength, and compaction test results. Based on these evaluations, I issued directives for acceptance or corrective action to maintain design integrity. I also developed project-specific work zone traffic control plans by adapting MUTCD standards to field conditions, calculating lane closure lengths, buffer zones, and barrier layouts to maintain safety and traffic flow during construction.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Project Engineer / EIT
April 2021—December 2022

Verified by
Matthew J Schooley
Mschooley@bartonandloguidice.com

Experience Summary
Full-Time
Engineering: 1 year, 8 months
Experience under licensed engineer: 1 year, 8 months

TASKS

As a Project Engineer, I worked on an urban infrastructure project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

Routes 5&20 Corridor Reconfiguration and Downtown Streetscape project - Geneva, NY

This urban infrastructure project for the City of Geneva included two contracts: Contract 1 focused on reconfiguring Routes 5&20 to enhance multimodal access and safety, while Contract 2 addressed full-depth road reconstruction and streetscape upgrades in the downtown area. The scope included new drainage infrastructure, sidewalks, ADA-compliant curb ramps, traffic signal systems, and bioretention areas. I was a Project Engineer responsible-in-charge for the following engineering on this project:

I verified existing site conditions and field-measured key dimensions to guide layout and alignment. I verified and redesigned curb ramp and sidewalk layouts based on field conditions, ensuring that standard design types could be constructed to meet NYSDOT and ADA slope, landing and accessibility requirements. I evaluated subgrade preparation, subbase and asphalt layer placement, and compaction efforts for compliance with design specifications and material performance requirements. I reviewed test results, verified layer thicknesses and densities, and provided corrective actions to ensure pavement durability and structural integrity.

I verified drainage structure elevations, alignments, and pipe connectivity. I performed recurring SWPPP inspections, assessed erosion and sediment controls, and issued corrective actions to maintain environmental compliance. I analyzed traffic-control setups for conformance with MUTCD and project phasing requirements, recommending adjustments to ensure public safety and construction access. Throughout the project, I provided directive responses to field conflicts to maintain construction progress.

I documented field observations, maintained redline revisions, and coordinated updates with the design team. I incorporated approved field changes and produced final as-built drawings reflecting verified construction conditions.

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Project Engineer / EIT
April 2023—December 2023

Verified by
Richard Scott Prior
rs-prior@luengineers.com

Experience Summary
Full-Time
Engineering: 8 months
Experience under licensed engineer: 8 months

TASKS

As a Project Engineer, I worked on an urban infrastructure project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

2023 Milling and Resurfacing (Brooks, Jefferson and Thurston) - Rochester, NY

This $4.5M urban infrastructure project for the City of Rochester included pavement rehabilitation, ADA compliance upgrades, drainage infrastructure improvements, and new traffic signals to 2.5 miles of city streets. I was a Project Engineer responsible-in-charge for the following engineering on this project:

I verified existing site conditions and field-measured key dimensions to guide layout and alignment. I monitored milling and paving operations where the roadway crown alignment was shifted, verifying that variable asphalt depths and slopes were maintained throughout profile milling and paving operations. I analyzed the milled pavement surface to identify areas of deterioration requiring localized and full-depth repairs, ensuring pavement durability and long-term performance. I evaluated subgrade preparation, subbase placement, and compaction efforts for compliance with design specifications and material requirements.

I verified and adjusted curb ramp and sidewalk layouts based on field conditions, ensuring that standard design types could be constructed to meet NYSDOT and ADA slope, landing, and accessibility requirements. I oversaw installation of new traffic signal infrastructure, focusing on verifying the underground conduit layout, coordinating adjustments to avoid utility conflicts, and documenting detailed as-built locations for all signal conduits. I reviewed and approved traffic signal pole foundation sizing modifications to accommodate field space constraints while maintaining design integrity.

I confirmed traffic signal, signage, and pavement marking alignments for conformance with MUTCD and project specifications, providing field adjustments as necessary to maintain driver guidance and intersection safety. I verified drainage structure elevations, alignments, and connectivity, and I analyzed traffic-control setups to ensure conformance with MUTCD and phasing requirements. Throughout the project, I provided directive responses to field conflicts to maintain construction progress and code compliance. I documented field observations, maintained redline revisions, and produced final as-built drawings reflecting verified construction conditions.

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Project Engineer / EIT
December 2023—September 2024

Verified by
Harry Mangini
hman1901@hotmail.com

Experience Summary
Full-Time
Engineering: 9 months
Experience under licensed engineer: 9 months

TASKS

As a Project Engineer I worked on an environmental wetland enhancement project. I interpreted survey data, drone imagery, and geotechnical reports to develop grading solutions and assess field impacts. I reviewed contractor submittals and RFIs to ensure compliance with design intent and specifications. I prepared construction cost estimates, tracked progress, and evaluated field changes for cost and schedule implications. I performed field inspections to verify compliance with approved plans, permits, and quality standards, issuing engineering directives when discrepancies were identified. I maintained coordination among design disciplines, contractors, and regulatory agencies by leading progress meetings, communicating technical findings, and resolving field issues requiring engineering judgment.

REPRESENTATIVE PROJECTS

Northern Montezuma WMA Enhancement Project – Savana, New York

This $4.2M project for the New York State Department of Environmental Conservation (NYSDEC) included the enhancement of over 175 acres of wetland within the Seneca River floodplain. The project involved creating open water ponds, channels, and habitat mounds while adhering to strict environmental regulations, challenging site and weather conditions as well as being within a highly sensitive Archeological area. I was a Project Engineer responsible-in-charge for the following engineering on this project:

I reviewed contractor submittals for technical compliance and evaluated monthly quantities for payment based on measured excavation and fill volumes. I conducted weekly project meetings to review progress, discuss conflicts, assess project risks, document outcomes, and adjust engineering inputs accordingly. I participated in weekly Stormwater Pollution Prevention Plan (SWPPP) inspections, evaluating the effectiveness of erosion and sediment control measures, including silt fences, stabilized construction entrances, and buffer zones. I discussed field conditions and potential impacts with the lead engineer to provide solutions and recommend corrective actions as needed.

I monitored excavation activities using aerial survey data collected with drones and processed imagery with photogrammetry software (PIX4D). I created digital terrain models and calculated earthwork volumes. I compared field quantities with design cut/fill estimates to evaluate progress and verify pay quantities. I used this data to support the resolution of a $250,000 dispute regarding excavation limits and material placement.

I evaluated the structural capacity of an existing timber bridge used as the primary site access route. I researched available documentation, identified conflicting load rating records, and analyzed the contractors proposed loading conditions to confirm the bridge could safely support site access.

TYLER LYNCH (16-440-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ravi Engineering & Land Surveying, P.C.
New York (United States)
Project Engineer / EIT
September 2024—September 2025

Verified by
Richard Scott Prior
rs-prior@luengineers.com

Experience Summary
Full-Time
Engineering: 1 year
Experience under licensed engineer: 1 year

TASKS

As a Project Engineer, I worked on an urban infrastructure project. I interpreted survey data and assisted with layout to ensure construction activities followed approved alignments and elevations. I evaluated field conditions to verify compliance with project specifications, load requirements, dimensional tolerances, and contract documents. I estimated the quantities of materials placed, and I monitored and documented construction progress through daily reports, photographs, and schedule updates. I conducted field inspections to confirm that construction conformed to structural details, approved shop drawings, and permit conditions. When discrepancies were identified, I coordinated with senior engineers and contractors to issue engineering directives and implement corrective measures that maintained code compliance and design performance.

REPRESENTATIVE PROJECTS

2024 State Touring Routes Milling and Resurfacing (West Main Street, Churchlea Place, South Plymouth Avenue) - Rochester, NY

This $5M urban infrastructure project for the City of Rochester included pavement rehabilitation, ADA compliance upgrades, drainage infrastructure improvements, and new traffic signals to 2.3 miles of city streets. I was a Project Engineer responsible-in-charge for the following engineering on this project:

I verified existing site conditions and guided layout and alignment to ensure construction activities followed design specifications and tolerances. I evaluated subgrade preparation, subbase and asphalt placement, and compaction efforts for compliance with material performance requirements. I reviewed test results, verified lift thicknesses and densities, and authorized corrective measures to ensure pavement durability and structural integrity.

I verified and revised curb ramp and sidewalk layouts during construction to ensure ADA compliance, and I prepared a detailed curb ramp inventory documenting all newly constructed ramps for inclusion in the as-built submittal and ADA funding acceptance package. I reviewed and resolved conflicts between proposed traffic striping layouts and dedicated cycle paths, revising markings to preserve compliance with MUTCD and project specifications.

I verified locations of new traffic signs and adjusted placements to accommodate field constraints while maintaining required sight distances and conformance with the approved plans. I confirmed installation of traffic signal and pavement marking layouts, providing on-site direction to maintain proper alignment and intersection safety. I reviewed drainage structure installation and ensured connectivity with existing systems. I documented redline revisions, coordinated field updates with the design team, and compiled verified as-built records reflecting final construction conditions.

TROY MAJEWSKI (20-723-22)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/19/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
6 years, 3 months

Total Engineering Experience
6 years, 3 months

Experience under licensed engineer
6 years, 3 months

Disciplinary Action
None reported

ABET EAC · FE EXAM · PE EXAM · 4+

EDUCATION

Bachelors in Civil Engineering (EAC)
University of North Carolina - Charlotte
August 2015–June 2019

EXAMS

Fundamentals of Engineering (FE)
Nevada
October 2023

Principles and Practice of Engineering (PE)
Civil
Nevada
December 2025

LICENSES

Additional Licenses
None

TROY MAJEWSKI (20-723-22)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Bohler Engineering
North Carolina (United States)
Senior Design Engineer
October 2019—February 2023

Verified by
Brian Boylan Miller
bmiller@bohlereng.com

Experience Summary
Full-Time
Engineering: 3 years, 4 months
Post EAC degree: 3 years, 4 months
Experience under licensed engineer: 3 years, 4 months

TASKS

I started my career at Bohler engineering a land development firm focusing on the design of construction documents for commercial and residential developments. While working at Bohler I was responsible for general design and layout of land development projects. From simple exhibits in my first year, to putting together construction documents, and finally being responsible for full design of drainage, utilities and grading. During my three years working at Bohler engineering I started as a designer, was promoted to design engineer, and when I left in my third year I was a senior design engineer. As a Designer I was mostly responsible for site discovery and the basics of preparing a site to be purchased through due diligence research for full designs to be completed. Once I was a design engineer my duties were more focused on full scale construction documents. Keeping track of where projects are, ensuring they are ready for submittals and responding to comments. As well as beginning to do some utility design calculating slopes, cover, and connections. Once I was a senior design engineer I was responsible for full design of projects. Drainage and BMP systems, as well as utility design, and grading.

REPRESENTATIVE PROJECTS

2019-2020

Tommy's Car Wash - Charlotte North Carolina

For Tommy's Car wash I was responsible for the due diligence report and preliminary site layout. I researched city standards and requirements in order to draft the appropriate layout and determine if the site was feasible for the desired development. I recommended parking counts given the usage and standards, and designed the preliminary layout based on what the client wanted and what was allowed. The layout I designed was used to recommend to the client if the site was worth moving forward with or if it would not be the best fit for the development.

2020-2021

Floor and Decor warehouse - Charlotte North Carolina

I was responsible for every aspect of design outside of grading. I designed the sanitary sewer, storm sewer, and water layout and profile as well as the 2D linework of the building and parking lot. I was also responsible for the creation of the construction documents as well as submitting them to jurisdictions and responding to their comments. I created Site, Grading, and utility sheets with appropriate labels for what I designed as well as what was applicable for the jurisdiction. I was responsible for tracking submittals and applying adjustments based on comments from jurisdictions.

Mavis Tire - Charlotte North Carolina

I was once again responsible for the site and utility layout for this site. I was also responsible for the erosion and sedimentation design. I used existing drainage patterns as well as proposed storm water systems and grading to layout measures for preventing erosion control. I calculated appropriate amounts of rip rap, drainage swales, and silt fencing. I recommended locations for stockpiles. I also recommended phasing for construction entrances, washouts and inlet protection. I designed the site around and existing waterway and proposed appropriate structures in order to protect the waterway and appropriately discharge water.

2022-2023

Walmart Distribution Center - Spartanburg South Carolina

I was responsible for every design and production aspect of this project. I graded the site as well as designed and calculated the storm sewer system requirements. Using the grading to direct water into appropriate locations for inlets and using the surface flows to calculate the size for the pipes and inlets. These flows were then use to calculate appropriate basin and overflow structure sizes and elevations. I then graded these basins into the site ensuring we were able to meet the size and elevation that I calculated. I remained responsible for these construction documents and ensuring the grading and storm water sizings were displayed and labeled correctly. I was also responsible for the storm water report where the calculations had to be organized and displayed and submitted to jurisdictions for comments to be adjusted.

WORK EXPERIENCE

GCW engineering
Nevada (United States)
Designer
February 2023—January 2026

Verified by
Wesley Thomas Petty
wpetty@gcwengineering.com

Experience Summary
Full-Time
Engineering: 2 years, 11 months
Post EAC degree: 2 years, 11 months
Experience under licensed engineer: 2 years, 11 months

TASKS

Civil Engineering - Land Development

Have been working at GCW doing design for land development projects in the Las Vegas area since February 2023

I was hired with 3.5 years of experience and during my time at GCW I passed the FE exam. In my 3+ years at GCW I have also worked on projects varying from small scale grading design for single lots to more complicated plans involving grading based on future designs, stormwater system implementation, and full construction documents.

REPRESENTATIVE PROJECTS

Happy Camper Pizza. Worked directly with the architect to produce construction documents for a teardown/remodel of an existing restaurant to be replaced with a new pizza shop on the Las Vegas strip.

February 2023 - April 2023

Created demolition plans and new grading design for a raised dining platform and the steps leading up to it. Was also involved in meetings with entire design team for multiple reviews of construction documents that continued through approval and construction.

WS Maintenance Shop worked start to finish on a maintenance shop for large scale machinery as part of a large industrial development in the North Eastern part of Clark County Nevada

April 2023 - July 2023

The Maintenance shop is an onsite maintenance facility for a large industrial complex. The site had to be designed in unison with the surrounding developments. This included coordination between stormwater, grading, and utility design. I was responsible for each of these pieces for my site as well as determining their ability to function with the existing sites. I implemented the stormwater design into the grading while maintaining existing function.

Cartier - New Warehouse construction in Las Vegas

July 2023 - October 2023

I was Tasked with Due Diligence at the onset of this project. Including research of zoning, existing and required utilities, and multiple other requirements of the site. I also continued to design multiple conceptual site plans including conceptual grading and utility layouts.

Cipriani Development - Single Family Residential Development in the Las Vegas area

October 2023 - January 2024

Inherited an existing project that had restarted after being put down in 2019. I was responsible for completely refreshing the plans including updating the grading and utilities based on new requirements, new utilities, and jurisdictional comments. I was also responsible for the grading design and implementation of stacked retaining walls totaling 40' in height and the update of roadway designs.

January 2024 - December 2024

For most of 2024 I was transferred into a different land development department within the same company. In this department I was more focused on large scale master planning of developments. The planned community is a couple thousand Acres in Las Vegas that GCW has been working with the owners to develop since the 80s. During this time I worked on every aspect of the design and planning. From early exhibits and flood control planning, to rough grading, to detailed plans.

2025-present

In late 2024 I transferred back into the main land development department at GCW where I was the design lead for a project team. Working on multiple residential and commercial developments. Including, Manse Crossing PH 1 and 2. Indian Trail Ph 1-5 and Candence Sports park phase 1-3. Working with flood control as well as designing the grading and utility layout. As well as coordinating plan submittals with agencies and responding to their comments. In this most recent position I am entirely responsible for design, plan organization, and responding to jurisdictions comments. Managing team members to ensure my design is clearly displayed on plans and completed efficiently. Reviewing plans from team members and ensuring all comments are addressed. During this time I have also been more involved with clients and agencies. Being responsible for answering questions and being a point of contact for both.

KELLI OYASATO (21-593-85)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/21/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 11 months

Total Engineering Experience
4 years, 11 months

Experience under licensed engineer
4 years, 11 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Hawaii at Manoa
August 2016–December 2020

EXAMS

Fundamentals of Engineering (FE)
Hawaii
March 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
June 2022

LICENSES

Additional Licenses
None

KELLI OYASATO (21-593-85)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

The Limtiaco Consulting Group
Hawaii (United States)
Staff Engineer
January 2021—December 2021

Verified by
Eric Daniel Gai Sung Arakawa
Eric.a@tlcghawaii.com

Experience Summary
Full-Time
Engineering: 11 months
Post EAC degree: 11 months
Experience under licensed engineer: 11 months

TASKS

As a Staff Engineer, I was tasked with providing engineering and construction management services for City and County of Honolulu capital improvement projects. My tasks and duties included compiling various City wastewater projects' reports (i.e. daily field reports, weekly BMP reports, inspector copies, etc.) for completeness and adequacy. I also collaborated on various City wastewater construction projects by reviewing and processing submittals and RFIs, preparing and maintaining project reports and documents, reviewing construction plans, verifying bid documents and costs through quantity take off, reviewing and verifying all necessary permits required for the project, and researching as-built documents.

REPRESENTATIVE PROJECTS

Kaialiu Street Sewer Reconstruction | Honolulu, Hawaii | (2021 – 2021)
This project included the upsizing of approximately 250 linear feet of 10” sewer line to 12” PVC C900 sewer line by open excavation and trenching. It also included the rehabilitation of approximately 230 linear feet of 10” sewer line by CIPP (cured in place pipe) lining in an easement, and the installation of two new sewer manholes. I reviewed submittals to verify that the Contractor’s submitted equipment and materials satisfy the required specifications, evaluated and processed Requests for Information (RFIs), prepared and maintained project reports and documentation (daily reports, BMP reports, monthly progress reports), performed quantity take offs to verify costs, generated independent cost estimates, and attended weekly meetings to develop action items to maintain the progress of the project.

KELLI OYASATO (21-593-85)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

City and County of Honolulu
Hawaii (United States)
Civil Engineer II
January 2022—March 2024

Verified by
Derrick Ramelb Cabalang
Cabalangderrick@gmail.com

Experience Summary
Full-Time
Engineering: 2 years, 2 months
Post EAC degree: 2 years, 2 months
Experience under licensed engineer: 2 years, 2 months

TASKS

During my time working for the City and County of Honolulu, I was a Civil Engineer (CE) I, II, and on temporary assignment as a CE III. I was part of a team that provided engineering, construction and design for wastewater related facilities, which include the repair and upgrades of the collection and conveyance systems, wastewater pump stations, and wastewater treatment plants. This division handled all wastewater capital improvement projects for the Department of Environmental Services. My tasks and duties included managing multiple wastewater construction contracts by reviewing and administering construction plans and contract documents (i.e. submittals, RFIs, contract change orders, pay estimates), performing regular site visits to the project site to inspect various construction activities and manage the progress of the project, and implement/enforce various construction standards and codes throughout the various type of construction work involved with City wastewater improvement projects. Standards and codes implemented include OSHA/HIOSH standards for excavation and shoring in a variety of subsurface conditions, OSHA/HIOSH standards for traffic control, mechanical and electrical building code regulations, and various City entity standards (i.e. City & County of Honolulu Wastewater Standards, Board of Water Supply Water System Standards, Standards for Public Works, Best Management Practices/NPDES, etc.).

REPRESENTATIVE PROJECTS

Beretania Street Sewer Improvements | Honolulu, Hawaii | (2022 – 2022)
This was a $3.3 million project that included the removal and replacement of approximately 830 linear feet of sewer pipe via open trenching on a highly trafficked street. The project also included sewer lateral reconnections, sewer manhole rehabilitation, installation of precast concrete sewer manholes, traffic control, sewer bypassing, and erosion control (BMP practices). I managed the construction phase of the project, which involved overseeing the progress of the project, enforcing various construction/contract standards, and conducting project meetings. I reviewed and administered contract/project documents such as change orders, RFIs, submittals and pay applications. I was also in constant communication with the contractor, design team, and key stakeholders during the course of the project and to resolve conflicts that arose during construction (i.e. supply chain issues, differing underground site conditions, differing existing site conditions).

CSM Pearl City Warehouse Demolition and Removal | Pearl City, Hawaii | (2023 – 2024)
This project included the demolition and removal of an entire building and the contents, down to the floor slab. Hazardous materials investigation/abatement, noise and dust mitigation, the cutting of utility lines, and abiding by best management practices for erosion and sediment control were also involved in this project. I managed the construction phase of the project, which involved enforcing various construction/contract standards, reviewing the contractor's demolition plan, conducting project meetings, and recommending solutions to issues that arose. One of the challenges of this project was the close proximity to the neighboring properties. Therefore, I was in constant communication with the neighboring property owners, contractor, design team, and key stakeholders to ensure everyone was on the same page and to maintain the smooth progress of the project. I also reviewed and administered contract/project documents such as change orders, RFIs, submittals and pay applications.

KELLI OYASATO (21-593-85)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

VTN
Nevada (United States)
Staff Engineer
March 2024—May 2025

Verified by
Sandeep Reddy Yanala
sandeep.yanala@vtnnv.com

Experience Summary
Full-Time
Engineering: 1 year, 2 months
Post EAC degree: 1 year, 2 months
Experience under licensed engineer: 1 year, 2 months

TASKS

As a Staff Engineer at VTN, I was part of their drainage team where I worked on land development projects for residential, commercial, and industrial developments. I produced detailed figures, drafted water network analysis reports, and technical drainage studies in accordance with district design standards. I performed hydrologic analysis and hydraulic calculations for stormwater drainage and flood control, as well as demand calculations to compute residual pressures for water network analyses. I also provided quality assurance and quality control reviews for grading plans and reports to ensure accuracy and compliance with regulatory design standards.

REPRESENTATIVE PROJECTS

Centennial Speedway Commerce Center I City of North Las Vegas, Nevada I (2024 – 2025)
This project was an industrial development on 6.43 acres of land and included two buildings and required parking spaces. I developed the technical drainage study to analyze the drainage conditions for the proposed development and determined adequate flood protection for the site. I utilized programs such as HEC-1, Civil 3D, Bentley FlowMaster, WSPG, and calculated peak flows for 10-year and 100-year storm events. I developed and delineated onsite and offsite basin maps for existing and developed condition analysis. I also analyzed previous drainage studies and calculations to build on existing knowledge to develop a comprehensive and up-to-date report.

KELLI OYASATO (21-593-85)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Parsons
Nevada (United States)
Project Engineer
May 2025—January 2026

Verified by
Elaine Sumampong Ferraro
elaine.ferraro@snwa.com

Experience Summary
Full-Time
Engineering: 8 months
Post EAC degree: 8 months
Experience under licensed engineer: 8 months

TASKS

As a Project Engineer with Parsons, I am part of a team that provides program and construction management services to the Southern Nevada Water Authority (SNWA) to support their mission in providing reliable, safe, and sustainable water supply to more than 2 million residents in Southern Nevada. In my role, I manage projects that support SNWA's system expansion, water resources and conservation, and system upgrades and maintenance. I provide project controls, monitor detailed schedules for each phase of the contract, and assist with contracting and managing professional and construction services, such as public information program support, planning activities, and design management.

REPRESENTATIVE PROJECTS

Alfred Merritt Smith Water Treatment Facility New Fleet Maintenance Building Site Selection and Utility Building Chiller Replacement | Boulder City, Nevada | (May 2025 – Present)
As part of SNWA's sustainability initiative, one of the projects being done at the Alfred Merritt Smith Water Treatment Facility is to provide a new fleet maintenance building for the efficient operation of equipment and vehicles, and the replacement of old unsustainable chiller equipment. I review technical reports and calculations from preliminary design reports and hydraulic analysis reports to provide markups and recommendations for design improvements, evaluate matters with key stakeholders on project objectives, and review project schedules to ensure deadlines are met.

PRAMESH PUDASAINI (25-685-92)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/07/2026

Citizenship
Nepal

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
5 years, 7 months

Experience under licensed engineer
8 months

Other Experience
1 year, 11 months

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Tribhuvan University
November 2011–November 2015

Masters in Transportation Engineering
Tribhuvan University
April 2017–May 2019

Doctorate in Civil Engineering & Engineering Mechanics
University of Arizona
August 2021–May 2025

WAIVER REQUEST: NRS 625.183, ITEM 4, PART B, “TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD.”

EXAMS

Fundamentals of Engineering (FE)
Texas
July 2025

Principles and Practice of Engineering (PE)
Civil
Nevada
November 2025

LICENSES

Additional Licenses
None

PRAMESH PUDASAINI (25-685-92)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Kanjirowa Consultancy and Engineering Services Pvt. Ltd.
Bāgmatī (Nepal)
Co-Founder
November 2015—September 2016

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

WORK EXPERIENCE

Nepal Intermodal Transport Development Board
Bāgmatī (Nepal)
Civil Engineer
September 2016—March 2017

Verified by
Rabindra Pokhrel
rabindrapokhrel@mows.gov.np

Experience Summary
Full-Time
Engineering: 6 months
Experience under licensed engineer: None

TASKS

Nepal Intermodal Transport Development Board (NITDB) oversees the development of Inland Clearance Depots (or dry ports) that facilitate customs-controlled handling, temporary storage, and inland movement of goods for Nepal's foreign trade. Working as a Civil Engineer here, I performed engineering design, cost estimating, and site-engineering review for infrastructure facilities at intermodal terminals and dry ports. I designed civil components, prepared detailed drawings, calculated material quantities and cost estimates, and developed bidding documents consistent with Nepal's Public Procurement Act and engineering norms.

I made engineering decisions involving layout configuration, foundation detailing for small-scale civil structures, reinforcement detailing, and quantity takeoffs. I also evaluated consultant deliverables, reviewed technical reports, and verified design compliance with project scope and site constraints. For construction-stage projects, I inspected foundation and sub-structure works, verified workmanship and dimensions against approved drawings, and recommended corrective actions when field conditions deviated from design.

These were 100% engineering works performed under the supervision of a licensed civil engineer in Nepal. My duties involving structural and civil engineering design using STAAD Pro, drawing preparation using AutoCAD, and engineering judgment were performed in accordance with Nepalese codes and practices, which are closely modeled on or inspired by U.S. standards such as IBC, ACI, ASCE, and AASHTO.

REPRESENTATIVE PROJECTS

1. Design of Customs Inspection and Parking Shed

Role: Civil Engineer
Date: December 2016 – February 2017
Location: Kakarbhitta (Jhapa)

Work summary: I designed a customs inspection and parking shed for small vehicles at the Kakarbhitta dry port. I performed structural analysis and member sizing using STAAD Pro and prepared detailed civil engineering drawings in AutoCAD, including layout, framing, and foundation details. I calculated material quantities and prepared the engineer's cost estimate and bill of quantities. I also prepared the technical specifications and bidding documents defining materials, workmanship, and construction requirements.

2. Engineering Design Review and Site Verification

Role: Civil Engineer
Date: September 2016 – March 2017
Location: Birgunj (Parsa), Chovar (Kathmandu)

For a storage shed extension project at the Birgunj Dry Port, I reviewed civil and structural drawings and conducted site inspections focused on foundation and sub-structure works, verifying dimensions and reinforcement against approved designs. I identified site-specific construction constraints and provided engineering recommendations to maintain structural integrity in accordance with Nepal Building Code practices. Similarly, for the Container Freight Station development at Chovar, I conducted site inspections for dismantling existing reinforced concrete and steel structures and reviewed the proposed site layout and civil infrastructure requirements during the feasibility and detailed design phases of this project.

WORK EXPERIENCE

Nepal Oil Corporation Limited
Bāgmatī (Nepal)
Deputy Manager (Civil Engineer)
March 2017—August 2021

Verified by
Sushil Bhattarai
bhattarai.sushil@gmail.com

Experience Summary
Full-Time
Engineering: 4 years, 5 months
Experience under licensed engineer: None

TASKS

Nepal Oil Corporation Limited (NOCL) oversees import, transportation, storage, and distribution of petroleum products across Nepal. Working as a Deputy Manager (Civil Engineer) here, I performed civil engineering work involving design, planning, design review, cost estimation, and construction-stage engineering supervision for fuel depots, office facilities, parking yards, access roads, and petroleum pipeline–related civil works. During this full-time employment, I also pursued a Master's degree through evening coursework.

I prepared and reviewed civil engineering designs for pavements, parking yards, internal driveways, drainage systems, and buildings at multiple fuel depots. My responsibilities included evaluating geometric layouts, pavement sections, surface and subsurface drainage systems, and site grading based on truck traffic loading, soil conditions, constructability, and operational safety. For roadway, driveway, and parking yard works, I applied geometric and pavement design principles consistent with AASHTO guidelines adapted through Nepalese standards and departmental specifications. I prepared quantity takeoffs, engineer's cost estimates, and technical specifications and reviewed contractor bids and consultant submissions for compliance with approved designs and standards.

For building and facility projects, I reviewed architectural and structural drawings for compliance with the Nepal Building Code (NBC), which is closely aligned with international practices derived from IBC, ACI, ASCE, and seismic design principles comparable to U.S. standards. During construction, I conducted site supervision, verified workmanship and dimensions against approved drawings, reviewed material test results, and issued engineering recommendations to address field deviations. For petroleum pipeline projects, I performed civil engineering planning and feasibility assessments, reviewed detailed engineering surveys conducted by consultants, evaluated alignment constraints, and reviewed civil components of pipeline facilities and associated infrastructure.

These were 100% engineering works performed under the supervision of licensed engineers in Nepal, following national standards and practices modeled on internationally recognized engineering codes.

REPRESENTATIVE PROJECTS

1. Design and Construction Supervision of Parking Yards, Driveways, Approach Roads, and Drainage Systems

Project scope: Construction of internal rigid pavements, parking yards, approach roads, and surface drainage systems at multiple fuel depots to accommodate heavy petroleum tanker traffic and continuous operational loading.
My role: Design, design review, contract management, and construction supervision
Date: March 2017 – August 2020
Location: Thankot (Kathmandu), Nepalgunj (Banke), Dhangadhi (Kailali)

Work summary: Across multiple projects, I designed and reviewed rigid pavement systems for parking yards and internal driveways, including slab thickness selection, joint spacing, load transfer provisions, and reinforcement detailing for heavy axle loads from fuel tankers. I evaluated subgrade conditions and traffic loading to determine appropriate concrete pavement sections and detailing, and I prepared pavement layout drawings on AutoCAD showing panel geometry, dowel and tie bar locations, and construction joints. I designed surface drainage layouts and longitudinal and transverse slopes to prevent water ponding and reduce pavement deterioration. I prepared quantity takeoffs and engineer's cost estimates, reviewed contractor submittals for concrete mix design and reinforcement placement. Additionally, I conducted site supervision to verify subgrade preparation, reinforcement installation, slab thickness, joint construction, and drainage slopes.

2. Design and Construction Supervision of Office Buildings and Facilities

Project scope: Construction of office buildings and fuel depot facilities
My role: Design, design review, contract management, and construction supervision
Date: January 2018 – December 2020
Location: Bhairahawa (Rupandehi), Teku (Kathmandu)

Work summary: I designed, reviewed, and evaluated civil and structural components of office buildings and fuel station facilities, especially foundations, reinforced concrete framing systems, and site layout. I prepared and checked structural and civil drawings and evaluated compliance with the Nepal Building Code, including seismic design provisions aligned with international standards comparable to IBC, ACI, and ASCE practices. I prepared engineer's cost estimates, reviewed technical specifications, and conducted site inspections to verify construction quality. I reviewed material test reports, verified dimensions and reinforcement placement against approved drawings, and issued engineering recommendations when field conditions deviated from approved designs.

3. Petroleum Pipeline Projects – Civil Engineering Planning and Design Review

Project scope: Cross-country and domestic petroleum pipeline projects involving feasibility studies, detailed engineering surveys, and civil infrastructure planning.
My role: Design review and planning
Date: January 2021 – August 2021
Location: Motihari–Amlekhgunj, Amlekhgunj–Chitwan, and Siliguri–Jhapa pipeline corridors

Work summary: I performed civil engineering planning and feasibility assessments for multiple cross-country and domestic petroleum pipeline projects, focusing on pipeline corridor alignment, site layout for bulk petroleum storage terminals, and surface infrastructure requirements. I reviewed detailed engineering layouts, civil drawings, and cost estimates for the Motihari–Amlekhgunj Petroleum Pipeline Project (Phase II), evaluating alignment constraints, constructability, and interfaces with existing facilities. For the Amlekhgunj–Chitwan and Siliguri–Jhapa pipeline projects, I evaluated civil engineering inputs for feasibility studies, including terminal site layouts, access roads, grading, and drainage requirements. I reviewed detailed engineering survey outputs prepared by consultants and provided technical comments to support subsequent civil design development.

WORK EXPERIENCE

University of Arizona
Arizona (United States)
Research Assistant
August 2021—May 2025

Verified by
Yao-Jan Wu
yaojan@arizona.edu

Experience Summary
Part-Time
Other: 1 year, 11 months (50%)
Experience under licensed surveyor: None

TASKS

During this period, I was concurrently enrolled as a Ph.D. student in Transportation Engineering while working part-time (20 hours/week) as a Research Assistant. My research and engineering works focused on traffic operations, signal optimization, intelligent transportation systems, and simulation modeling. I performed engineering analysis and applied engineering judgment on multiple traffic engineering and monitoring projects under the direct supervision of a licensed Professional Engineer. My responsibilities included analyzing traffic sensor data, signal timing information, and probe-vehicle trajectories to evaluate intersection and corridor performance in accordance with established traffic engineering principles and methods from the Highway Capacity Manual (HCM). I designed and calibrated microscopic traffic simulation models to optimize signal timing plans and developed experiments to evaluate before/after field performance of signal optimization.

From January 2022 to May 2023, I designed and calibrated mesoscopic traffic simulation models using the DynusT software. I validated route choice behavior, turning movements, and travel times, ran simulation scenarios, and generated performance measures such as travel time, delay, queues, and corridor progression quality. I applied these models to evaluate alternative infrastructure strategies, designing scenario-specific models for dedicated truck lanes, intersection turn-lane modifications, and variations in signal timing parameters.

Between January 2025 and May 2025, I taught the CE 462/562 Traffic Engineering and Operations course to eight undergraduate and graduate students in the Civil Engineering department. This teaching experience required applying engineering principles, reviewing technical work, and training students in traffic simulation tools and methods used in professional practice.

Across all these efforts, I integrated large-scale traffic datasets, applied HCM methodologies to quantify operational performance, and designed simulation models that supported agency decision-making. Over this period, I progressed from processing traffic data and reviewing literature to independently designing simulation experiments, evaluating traffic operations, teaching traffic engineering principles, and documenting engineering findings for agency technical reports.

REPRESENTATIVE PROJECTS

1. Dynamic Traffic Assignment (DTA) Modeling

Scope: Mesoscopic simulation and operational analysis of a regional roadway network
My role: Simulation design, calibration, validation, and performance evaluation
Project date: January 2022 – May 2023
Location: Tucson, Arizona
Client: Pima County Department of Transportation

Work summary: I updated Pima County's regional traffic simulation model by incorporating vehicle demand and correcting network characteristics such as lane configurations, speed limits, and signal timing plans. I designed, calibrated, and validated the simulation model to reflect observed corridor traffic conditions, ensuring the model's outputs aligned with ground-truth travel times and roadway volumes. I designed and evaluated alternative improvement scenarios (e.g., dedicated truck lanes, turn-lane modifications, lane additions, signal timing adjustments, and network connectivity changes) by comparing corridor travel times, speeds, and volume shifts across scenarios. The simulation modeling results and technical reports I prepared helped Pima County identify operational bottlenecks and assess the effectiveness of different roadway and signal improvement strategies.

2. Traffic Signal Optimization

Scope: Arterial signal retiming analysis, coordination, and performance evaluation
My role: Experimental design, data analysis, signal timing optimization, and evaluation

Location: Phoenix, Tucson, and Marana in Arizona
Dates: August 2021 – December 2022, June 2023 – May 2025
Clients: City of Tucson, Town of Marana, City of Phoenix

Work summary: I designed engineering evaluation procedures consistent with the Highway Capacity Manual (HCM) principles to optimize traffic signals for multiple agencies in Phoenix, Tucson, and Marana. Using probe-vehicle speeds, field trajectory data, turning movement counts, and signal timing information, I designed and calibrated microscopic simulation models in VISTRO and WaySync for signal optimization and arterial coordination. I designed before-and-after experimental setups to evaluate arterial progression and intersection performance using HCM-based measures of effectiveness such as travel time, number of stops, delay, progression quality, and level of service. My work supported agency efforts to enhance traffic signal operations and document performance improvements for operational decision-making.

3. Teaching CE 462/562 – Traffic Engineering and Operations

Scope: Teaching graduate engineering course on traffic signal design, simulation modeling, and traffic control systems
My role: Primary instructor responsible for lectures, simulation experiments, and evaluation
Location: Tucson, Arizona
Dates: January 2025 – May 2025 (Spring semester)

Work summary: As the primary instructor for the CE 462/562 Traffic Engineering and Operations course, I taught simulation experiment design, traffic signal timing, and traffic control system modeling to eight senior undergraduate and graduate students in the Civil Engineering department. I taught core traffic engineering topics, including signal timing plan design, VISSIM model development, model calibration using field-collected data, ramp metering strategies, and HCM-based performance analysis. I delivered lectures, designed assignments, evaluated student simulation projects, and guided students through building and validating traffic operation models consistent with professional traffic engineering practice.

WORK EXPERIENCE

University of Arizona
Arizona (United States)
Research Scientist
May 2025—January 2026

Verified by
Yao-Jan Wu
yaojan@arizona.edu

Experience Summary
Full-Time
Engineering: 8 months
Experience under licensed engineer: 8 months

TASKS

During this period, I worked full-time as a Research Engineer (May 2025 – November 2025) and later as a Research Scientist (November 2025 – Present), performing transportation engineering analyses focused on traffic operations, intelligent transportation systems (ITS), and transportation systems management and operations (TSMO). My responsibilities included independently analyzing traffic datasets (e.g., probe-vehicle trajectories, turning movement counts, detector data, and signal timing information) to evaluate mobility, safety, and system performance for state and local agencies. I regularly applied engineering judgment to interpret operational performance, design research experiments for signal timing optimization, identify deficiencies in corridor and freeway operations, and recommend data-driven recommendations for decision-making.

As a Research Engineer, I was responsible for designing microscopic traffic simulation and signal timing models, evaluating arterial progression using procedures outlined in the Highway Capacity Manual (HCM), and preparing reports of engineering analyses. After demonstrating research independence and engineering proficiency in my niche, I was promoted to Research Scientist, where I took greater responsibility to plan and manage research projects, ensure the accuracy and completeness of engineering analyses, and mentor graduate students on simulation modeling and traffic operations research.

In my current role as a Research Scientist, I routinely make engineering decisions related to selecting appropriate engineering methods, defining evaluation criteria, and designing simulation and performance assessment workflows. These decisions include determining how to design research experiments, choosing suitable traffic engineering models and parameters, and interpreting results to identify operational issues and recommend improvements. I am responsible for validating assumptions with agency engineers, reviewing technical work produced by research staff and graduate students, and ensuring that all analytical procedures and deliverables meet professional engineering standards.

REPRESENTATIVE PROJECTS

1. Guidebook on AI for Transportation Systems Management and Operations (TSMO)

Scope: Transportation engineering case studies and national guidebook development for AI-enabled TSMO applications
Project date: May 2025 – Present
Location: Tucson, Arizona
Client: National Cooperative Highway Research Program, Transportation Research Board

Work summary: As part of this project, I conducted case studies with state Departments of Transportation (DOT) in Arizona and Delaware on evaluating the performance of AI-enabled decision support tools for TSMO applications such as ramp metering and traffic incident management. I designed research experiments to analyze decision support system outputs, detection accuracy, incident timelines, and operational impacts compared to baseline TSMO procedures. I evaluated system recommendations, quantified performance benefits, interpreted engineering implications for agency operations, and drafted multiple sections of a national guidebook by documenting data requirements, validation methods, and deployment considerations for state DOTs.

2. Traffic Signal Optimization

Scope: Arterial signal retiming analysis, coordination, and performance evaluation
My role: Experimental design, data analysis, signal timing optimization, and evaluation
Location: Marana, Arizona
Dates: May 2025 – Present
Clients: Town of Marana

Work summary: I designed engineering evaluation procedures consistent with the HCM principles to optimize traffic signals along

key Town of Marana corridors. Using probe-vehicle speeds, field trajectory data, turning movement counts, and signal timing information, I designed and calibrated microscopic simulation models in VISTRO and WaySync for signal optimization and arterial coordination. I designed before/after experiments consistent with HCM methods to conduct performance evaluation and document the effectiveness of optimized timing plans. My work supports agency efforts to enhance traffic signal operations and document performance improvements for operational decision-making.

CREDENTIALS EVALUATION - ENGINEERING

PUDASAINI, PRAMESH
(25-685-92)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Tribhuvan University / Bachelors in Civil Engineering 11/01/2011 — 11/01/2015	Nepal	English	49
Tribhuvan University / Masters in Transportation Engineering 04/01/2017 — 05/01/2019	Nepal	English	None
University of Arizona / Doctorate in Civil Engineering & Engineering Mechanics 08/01/2021 — 05/01/2025	United States	English	None

COMPARABILITY SUMMARY

Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	33 / 32	None
Engineering	88 / 48	None
General Education	10 / N/A	None
Elective/Other	36 / N/A	None

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Tribhuvan University / Bachelors in Civil Engineering	3
Calculus II	Tribhuvan University / Bachelors in Civil Engineering	3
Chemistry	Tribhuvan University / Bachelors in Civil Engineering	3.5
Differential Equations	Tribhuvan University / Bachelors in Civil Engineering	3
Engineering Geology I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Engineering Geology II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Numerical Methods	Tribhuvan University / Bachelors in Civil Engineering	3.5
Physics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Probability & Statistics	Tribhuvan University / Bachelors in Civil Engineering	3
Statics	Tribhuvan University / Bachelors in Civil Engineering	3
	Total semester credit hours earned:	**32.50**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Bridge Design	Tribhuvan University / Bachelors in Civil Engineering	3.5
Concrete & Masonry Structures	Tribhuvan University / Bachelors in Civil Engineering	3.5
Dynamics	Tribhuvan University / Bachelors in Civil Engineering	3
Electrical Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Electronic Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Engineering Economics	Tribhuvan University / Bachelors in Civil Engineering	3
Engineering Project	Tribhuvan University / Bachelors in Civil Engineering	6
Fluid Mechanics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Foundation Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydraulics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydrology	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydropower Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Irrigation & Drainage Networks	Tribhuvan University / Bachelors in Civil Engineering	3
Reinforced Concrete Structures Design	Tribhuvan University / Bachelors in Civil Engineering	3.5
Sanitary Engineering	Tribhuvan University / Bachelors in Civil Engineering	3
Soil Mechanics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Strength of Materials	Tribhuvan University / Bachelors in Civil Engineering	3.5
Structural Steel & Timber Design	Tribhuvan University / Bachelors in Civil Engineering	3
Suspension Bridges	Tribhuvan University / Bachelors in Civil Engineering	3.5
Theory of Structures I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Theory of Structures II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Thermodynamics & Heat Transfer	Tribhuvan University / Bachelors in Civil Engineering	3.5
Transportation Engineering I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Transportation Engineering II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Water Supply Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
	Total semester credit hours earned:	**87.50**

GENERAL EDUCATION

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
English	Tribhuvan University / Bachelors in Civil Engineering	3.5
Professional Ethics for Engineering	Tribhuvan University / Bachelors in Civil Engineering	3
Technology, Environment & Society	Tribhuvan University / Bachelors in Civil Engineering	3
	Total semester credit hours earned:	**9.50**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Technology	Tribhuvan University / Bachelors in Civil Engineering	3.5
Computer Methods	Tribhuvan University / Bachelors in Civil Engineering	3
Computer Programming	Tribhuvan University / Bachelors in Civil Engineering	3.5
Construction Management	Tribhuvan University / Bachelors in Civil Engineering	3
Cost Estimating	Tribhuvan University / Bachelors in Civil Engineering	3
Engineering Drawing	Tribhuvan University / Bachelors in Civil Engineering	1
Engineering Materials	Tribhuvan University / Bachelors in Civil Engineering	3.5
Procurement Management	Tribhuvan University / Bachelors in Civil Engineering	3.5
Surveying I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Surveying II	Tribhuvan University / Bachelors in Civil Engineering	4.5
Workshop Technology	Tribhuvan University / Bachelors in Civil Engineering	3.5
	Total semester credit hours earned:	**35.50**

Total Semester Credit Hours Earned: 167

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

Post-graduate courses are ONLY used in an evaluation if they can assist in eliminating deficiencies that may be indicated in the undergraduate program.

Official Evaluations are ONLY available to state licensing boards and international exam sites through an applicant's NCEES account.

MAAZ QURAISHI (22-478-97)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/29/2026

Citizenship
India

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
2 years, 7 months

Experience under licensed engineer
2 years

Disciplinary Action
None reported

FE EXAM PE EXAM

EDUCATION

Non-degree
SVKM Shri Bhagubhai Mafatlal Polytechnic
July 2014–June 2018

Bachelors in Civil Engineering
University of Mumbai
July 2018–June 2021

Masters in Civil Engineering
Georgia Institute of Technology
August 2022–December 2023

EXAMS

Fundamentals of Engineering (FE)
Georgia
July 2023

Principles and Practice of Engineering (PE)
Civil
Nevada
September 2024

LICENSES

Additional Licenses
None

MAAZ QURAISHI (22-478-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Atlanta Limited
Maharashtra (India)
Junior Engineer
December 2021—July 2022

Verified by
Taj Khan
taj.atlanta@gmail.com

Experience Summary
Full-Time
Engineering: 7 months
Experience under licensed engineer: None

TASKS

Documented/reviewed/prepared field reports, daily/monthly reports, reconciliation reports, progress reports, RFI's, billing, and change orders.
Travelled for site visits, and troubleshooted issues by coordinating with stakeholders (consultants, contractors and clients).
Assisted Vice President in feasibility reports for business development and asset management. I Prepared prepared feasibility reports for proposals.

REPRESENTATIVE PROJECTS

As a project engineer at Atlanta Limited, a leading developer in the region, I was involved in three high-rise building construction projects and a highway project (Built-Operate-Transfer). I regularly visited the project sites and the city department to monitor the progress, compliance, and approval process. Below are the details of the projects and my responsibilities:
1. Atlanta Enclave Phase 2 - 35 Storey Residential Tower: I reviewed the drawing submittals and followed up with the city department for this project. I attended meetings with consultants, architects, contractors, and team members for constructability review and design development. I prepared RFPs for material procurement and work packages (piling, masonry, plasterwork, septic tank, boulders/earth disposal, surveying, formwork, and scaffolding). Evaluating the proposals, preparing comparative analysis, and facilitating the award process along with VP Realty, and Managing Director.
2. Bavana Farms: I managed multiple contract packages for this project, which involved constructing five bungalows on a 12-acre parcel of land. The contract packages included metal railing fence, swimming pool, RCC construction, landscaping, gabion wall, asphalt road, and underground water tank. I was involved in RFP, selection, award, and execution of work for these packages. I performed inspections, billing, and frequent meetings with all contractors, and stakeholders. I visited the construction site often and kept track of self-performing crews for excavation, masonry, and pipe laying (storm water drains and culverts).
I designed retaining wall sections and conducted value engineering to compare reinforced concrete retaining wall, gabion wall, and uncoursed rubble masonry wall. Uncoursed rubble masonry wall was found to be most economical and feasible (With prevailing labor, and material cost) and was proposed and executed. Similar study was conducted for the landscaping alternatives to reduce cost, and time.
3. Nagpur Kondhali Toll Plaza (BOT): I was responsible for billing (Payment Certificates) of work packages for the maintenance of carriageway for this project. The work packages included striping, micro surfacing, repairs, and railing work. The project was in the operation stage during my involvement. I reviewed contracts, drawing, and executed work to prepare and finalize the submissions to National Highway Authority of India.
4. Shrikant Chambers - Commercial Building: I coordinated for leasing the units for this project. I worked with CBRE and other agents to lease the units to potential tenants. I also tracked leases, parking, and work performed by general maintenance contractor.

MAAZ QURAISHI (22-478-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ferrovial Construction (SPV=North Perimeter Contractor)
Georgia (United States)
Associate Project Manager- Intern
May 2023—December 2023

Verified by
Maaz Quraishi (Self)

Experience Summary
Part-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I-285 & SR-400 Interchange Project (Design Build):
Duration: May to August
Role: Worked in the ITS and Earthwork department.
Responsibilities:
Coordinated production and activities among team members.
Reported daily progress to the Project Manager.
Attended daily morning meetings with Superintendents and Foremen to align activities with the schedule.
Took notes for activities requiring coordination among work groups.
Initiated material and equipment procurement for the crews (including ordering concrete and trucks for earthwork hauling).
Assisted in preparing Work Plans for new activities.
Participated in daily MOT meetings to coordinate with different work groups.
Updated the 4 Week Look Ahead Schedule and reported progress to the Project Manager.
Managed cost code expenses and contributed to the Monthly Closing Report.

SR 400 Express Lane Project:
Duration: August to December
Role: You performed quantity take-offs.
Tasks:
Updated quantities and rates in the HCSS Heavy Bid Software (Estimating Software).
Generated reports, performed data checks, and filtered information.
Exported reports to Excel for progress tracking and historical analysis.
Note that this project is still in the Procurement Phase awaiting award.

REPRESENTATIVE PROJECTS

May to August- I-285 & SR-400 Interchange Project (Design Build)
Worked for the ITS and Earthwork Department (Work Group). Reported to Project Manager who reported to Segment Lead, who then reports to Construction Manager and the CEO.

August to December- SR 400 Express Lane Project
Worked in the estimating department and reported to Senior Project Manager.

WORK EXPERIENCE

Meridiam, Assigned to Purple Line Transit Partners LLC
Maryland (United States)
Construction Oversight Engineer
January 2024—January 2026

Verified by
Daniel Norman
dan.norman@purplelinepartners.com

Experience Summary
Full-Time
Engineering: 2 years
Experience under licensed engineer: 2 years

TASKS

I conduct independent engineering review and approval of technical submittals and transmittals from the Design Build (DB) Contractor and the Operations & Maintenance (O&M) Contractor. All submittals undergo my engineering review before advancing to my supervisor, the Deputy Chief Executive Officer / Chief Technical Officer, and then to the client, Maryland Transit Administration / Maryland Department of Transportation (MTA/MDOT), as well as other authorities including County agencies, State Highway Administration, University of Maryland, Maryland Department of the Environment, National Park Service, and CSX Transportation.
I typically review shop drawings, engineering calculations, design deviations, material approvals, construction work plans, as builts, and project management plans. I evaluate these documents for technical accuracy, constructability, compliance with contract requirements, and adherence to applicable codes and standards. I monitor and oversee DB/O&M Contractor performance in Safety, Environmental compliance, and Quality, and I coordinate with third parties. My responsibilities also include project controls oversight (schedule, cost, and quality), change management review, and stakeholder coordination.
I review and approve design packages prepared by the DB and O&M Contractors. Pre submission activities I lead or participate in include multidisciplinary coordination meetings, informal design exchanges, and Bluebeam sessions to facilitate multi stakeholder markup and comment resolution. Design packages I supported include Wayside Signage (PLTP, Atkins, Siemens, MTA, O&M Contractor, DB Contractor), Environmental and Sediment Control modifications, Track Alignment modifications, Water and Sewer Relocation designs, Overhead Utility design changes, and structural packages for the Spring Street Bridge, Jones Mill Bridge underpass, and Bethesda South Station Entrance.
My duties further include contributing to project implementation and management by providing engineering decisions, supporting executive reporting, and participating in the resolution of technical and commercial issues (confidential). I apply engineering judgment to evaluate risks, validate proposed solutions, and ensure that design and construction activities align with project objectives and regulatory requirements.

REPRESENTATIVE PROJECTS

I work for the Concessionaire, Purple Line Transit Partners, LLC (PLTP), responsible for the Design, Build, Finance, Operation, and Maintenance of the Purple Line Light Rail Transit (LRT) Project. The project consists of a 16.2 mile alignment with an estimated ~$3B Design & Construction cost and ~$5.4B in Operation & Maintenance over 30 years. I have worked exclusively on this project, which includes 32 miles of track, 23 miles of drainage, 18 miles of water/sewer/gas relocations, 10+ miles of new trails, 26 bridges, and over 250 retaining walls. I report directly to Daniel A. Norman, P.E., PLTP's Deputy CEO and CTO.
My responsibilities include construction oversight; engineering review and approval of multi-disciplinary designs*, design changes*, shop drawings*, RFIs*, design deviations*, cold pour plans*, work plans*, new materials*, as-builts*, and project management plans^ (Quality, Safety, Third Party Coordination, Asset Management, Concept of Operations), etc. I provided engineering dispositions for non-conformances, performed field inspections, and supported asset handover^. Key elements of the Purple Line Project I worked on include (all confidential):

Bethesda South Station Entrance (*)
This structure connects the new Purple Line Station to the existing WMATA Red Line platform through a 140 ft deep shaft. Shaft excavation was ~50% complete when I joined. I reviewed blasting and support of excavation plans, evaluated design changes for deficient work and extra works by other, scheduling, inspections, and coordinated with the Engineer of Record (EOR) & stakeholders to resolve field issues while providing inputs/feedback. Status: 75% complete.

Connecticut Avenue LRT & CCT Bridges (*)
Two bridges carry the LRT and Capital Crescent Trail (CCT) over Connecticut Avenue. I reviewed steel tied arch fabrication drawings, assessed erection sequencing, and provided inputs for field deviations. Status: 100% complete.

Jones Mill Road over LRT & CCT (*)

A precast two span segmental arch bridge (36 ft and 20 ft spans). I reviewed precast arch design submittals, evaluated utility conflict resolutions requiring design modifications, and verified compliance during field inspections. Status: 90% complete.

Rock Creek CCT Bridge (*)
A 195 ft single span Vierendeel truss bridge carrying the CCT over Rock Creek. I reviewed the structural steel design package, approved shop drawings, materials, and work sequence (Pours, and Erection). Status: 100% complete.

Talbot Avenue Bridge (*)
A two-span bridge (41 ft and 97 ft) over the LRT and CSX/WMATA right of way. I participated in inspections pre and post NBIS inspection and coordinated with third parties on protection requirements. Status: 100% complete.

Spring Street Bridge over PL/CSX/WMATA (*)
A three span structure with RCC girders (34.5 ft and 21.5 ft) and a 146.5 ft steel span over the railroad. I reviewed demolition and erection engineering work plans, erection and rigging plans, assessed field design changes, and coordinated with the EOR/stakeholders on railroad protection and staging. I worked (Feedback, review/approval of repair plan, etc.) closely with design, construction, and stakeholders to resolve the underground drainage conflict with Pier. Status: 70% complete.

Silver Spring Transit Center (SSTC) Mezzanine (*)
A new structure connecting the operating Metro platform to the SSTC bus facility. I reviewed structural and architectural interface designs, evaluated temporary support systems, and approved submittals/transmittals for precast girder installation over the railroad, precast stairs, micro piling, support of excavation plans, etc. I also worked with right-of-way team to incorporate design changes/ additional scope. Status: 75% complete.

Wayne Avenue over Sligo Creek (*)
An 81 ft single span RCC bridge with a 78 ft wide deck carrying traffic and embedded LRT tracks. I reviewed RCC bridge design submittals, assessed deck reinforcement changes, and performed field inspections to verify compliance. Status: 100% complete.

Kenilworth Avenue Aerial LRT Flyover (*)
A three span steel bridge (147 ft, 218 ft, 158 ft) carrying the LRT over Kenilworth Avenue and East West Highway. I reviewed steel girder design calculations, evaluated erection sequencing, rigging plans, materials, member fit up issues during erection, and shop drawings. Status: 100% complete.

Additional Work Across the Alignment (*, ^)
I reviewed and approved submittals/ transmittals for stations, utilities, trackwork, tunnel structures, retaining walls, systems (train control, OCS, fire/life safety, communications), and two maintenance facilities. I provided engineering dispositions for non-conformances across multiple disciplines. During my tenure, the Design Build Contractor invoiced over $1B in Design and Construction.

CREDENTIALS EVALUATION - ENGINEERING

Quraishi, Maaz
(22-478-97)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
SVKM Shri Bhagubhai Mafatlal Polytechnic / Non-degree 07/01/2014 — 06/01/2018	—	English	None
University of Mumbai / Bachelors in Civil Engineering 07/01/2018 — 06/01/2021	India	English	48
Georgia Institute of Technology / Non-degree 08/01/2022 — 08/01/2023	—	English	None

COMPARABILITY SUMMARY

Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	32 / 32	None
Engineering	58 / 48	None
General Education	4 / 12	Missing 8 hours
Elective/Other	34 / N/A	None

SPECIAL NOTE

Prior to enrollment in the undergraduate program, the applicant completed a technical diploma in civil engineering. The courses completed in this program exempt students from the first year of the undergraduate engineering program curriculum requirements for lateral entry. The first year courses have been issued credit and listed in the report on this basis.

The NCEES Engineering Education Standard requires 12 college semester credit hours in general education that complement the technical content of the curriculum. Courses that instill cultural values are acceptable, while routine exercises of personal craft are not.

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	University of Mumbai / Bachelors in Civil Engineering	2.8
Calculus II	University of Mumbai / Bachelors in Civil Engineering	2.8
Calculus III	University of Mumbai / Bachelors in Civil Engineering	3.1
Chemistry	University of Mumbai / Bachelors in Civil Engineering	3.5
Differential Equations	University of Mumbai / Bachelors in Civil Engineering	3.1
Engineering Geology	University of Mumbai / Bachelors in Civil Engineering	2.4
Engineering Mechanics I	University of Mumbai / Bachelors in Civil Engineering	2.8
Engineering Mechanics II	University of Mumbai / Bachelors in Civil Engineering	2.8
Fluid Mechanics I	University of Mumbai / Bachelors in Civil Engineering	2.4
Physics	University of Mumbai / Bachelors in Civil Engineering	3.5
Strength of Materials	University of Mumbai / Bachelors in Civil Engineering	3.1
	Total semester credit hours earned:	**32.30**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Bridge Design	University of Mumbai / Bachelors in Civil Engineering	3.1
Disaster Management	University of Mumbai / Bachelors in Civil Engineering	2.1
Electrical & Electronic Engineering I	University of Mumbai / Bachelors in Civil Engineering	2.8
Electrical & Electronic Engineering II	University of Mumbai / Bachelors in Civil Engineering	2.8
Environmental Engineering I	University of Mumbai / Bachelors in Civil Engineering	2.4
Environmental Engineering II	University of Mumbai / Bachelors in Civil Engineering	2.4
Fluid Mechanics II	University of Mumbai / Bachelors in Civil Engineering	2.4
Geotechnical Engineering I	University of Mumbai / Bachelors in Civil Engineering	2.4
Geotechnical Engineering II	University of Mumbai / Bachelors in Civil Engineering	2.4
Hydraulics	University of Mumbai / Bachelors in Civil Engineering	2.4
Prestressed Concrete	University of Mumbai / Bachelors in Civil Engineering	2.8
Project	University of Mumbai / Bachelors in Civil Engineering	4.2
Reinforced Concrete	University of Mumbai / Bachelors in Civil Engineering	3.5
Reinforced Concrete Structures	University of Mumbai / Bachelors in Civil Engineering	3.1
Steel Structures	University of Mumbai / Bachelors in Civil Engineering	3.1
Structural Analysis I	University of Mumbai / Bachelors in Civil Engineering	3.1
Structural Analysis II	University of Mumbai / Bachelors in Civil Engineering	3.1
Transportation Engineering I	University of Mumbai / Bachelors in Civil Engineering	2.4
Transportation Engineering II	University of Mumbai / Bachelors in Civil Engineering	2.4
Water Resources Engineering I	University of Mumbai / Bachelors in Civil Engineering	2.4
Water Resources Engineering II	University of Mumbai / Bachelors in Civil Engineering	2.8
	Total semester credit hours earned:	**58.10**

GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
Communication Skills I	University of Mumbai / Bachelors in Civil Engineering	1.4
Communication Skills II	University of Mumbai / Bachelors in Civil Engineering	2.1
	Total semester credit hours earned:	**3.50**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Drawing	University of Mumbai / Bachelors in Civil Engineering	1.9
Building Materials & Construction Technology	University of Mumbai / Bachelors in Civil Engineering	3.1
Computer Applications	University of Mumbai / Bachelors in Civil Engineering	0.7
Computer Programming	University of Mumbai / Bachelors in Civil Engineering	3.5
Concrete Technology	University of Mumbai / Bachelors in Civil Engineering	2.4
Construction Equipment	University of Mumbai / Bachelors in Civil Engineering	2.4
Construction Management	University of Mumbai / Bachelors in Civil Engineering	3.1
Engineering Graphics I	University of Mumbai / Bachelors in Civil Engineering	2.8
Engineering Graphics II	University of Mumbai / Bachelors in Civil Engineering	1.4
Project Management	University of Mumbai / Bachelors in Civil Engineering	2.1
Quantity Surveying & Estimation	University of Mumbai / Bachelors in Civil Engineering	3.1
Surveying I	University of Mumbai / Bachelors in Civil Engineering	3.1
Surveying II	University of Mumbai / Bachelors in Civil Engineering	2.6
Workshops	University of Mumbai / Bachelors in Civil Engineering	1.4
	Total semester credit hours earned:	**33.60**

Total Semester Credit Hours Earned: 128

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

TATIANA STREETER (21-656-45)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/09/2026

Citizenship
Russia

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
5 years, 4 months

Experience under licensed engineer
5 years, 4 months

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Bachelors in Engineering - Computer and Automated Systems Software
Kuban State Technological University
September 2002–July 2008

Bachelors in Industrial and Civil Engineering
Kuban State Technological University
September 2008–June 2012

Masters in Civil and Environmental Engineering
University of Nevada, Las Vegas
January 2023–December 2025

EXAMS

Fundamentals of Engineering (FE)
Nevada
June 2024

Principles and Practice of Engineering (PE)
Civil
Nevada
November 2025

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Kolos Proekt, LLC, Krasnodar, Russia
Krasnodarskiy Kray (Russia)
Structural Engineer
May 2010—November 2016

Verified by
Tatiana Streeter (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked at Kolos-Proekt, Krasnodar, Russia as a Structural Designer from May 2010 to June 2012 (2 years, 1 month).
After I passed exams and finished The Kuban State University of Technology, Krasnodar, Russia with Bachelor's Degree in Civil Engineering, I served at Kolos-Proekt as a Structural Engineer (registered in Russia) from July 2012 to November 2016 (4 years, 4 months).
I was working in the discipline Structural Engineering on a variety of projects.
General descriptions of engineering decisions I was responsible for:
- performing structural design for various aspects of projects that adhere to local and federal code requirements. For each project, I performed applications of national design standards relating to design loads, material and detailing;
-computer based and hand calculations for structural design: stress analysis (allowable limits in design codes), member selection for steel, masonry and concrete (to safely resist forces, material properties, and design codes specific to the location);
-performing structural calculation in computer program "Lira 3D" (analog Risa 3D);
-structural design and drawings: framing and foundation, detailing connections for a variety of buildings;
-design and calculation of objects for storage and processing grain: granaries, industrial buildings, grain drying and grain cleaning facilities;
-design and calculation of administrative buildings with fire safety standards;
-reconstruction of existing grain processing facilities: strengthening structures in emergency conditions or for new equipment. Bringing to fire safety standards: calculation of easily resettable structures, evacuation, fire resistance;
-projecting of industrial buildings;
-static and dynamic analysis of steel structures;
-performance measurements of reconstructed buildings;
-field supervision of the construction of buildings and structures;
-calculation and construction of parts of design documentation for industrial buildings, conveyor racks, elevator and weight towers, operator, automobile and railway receiving devices, various bunkers and silos.
Level of Responsibility: independently made decisions, design and calculations checked by a senior engineer.

REPRESENTATIVE PROJECTS

Feed mill with a capacity of 60 tons per hour based on Davlekanovsky KHP No.1 (2010-2012)
4 Elevatorskaya Street, Davlekanovo City, Republic of Bashkortostan, Russia
A Commercial project to design a feed mill and structural strengthening of existing industrial buildings.
I performed reconstruction and structural strengthening of building of "Feed production workshop and Finished feed warehouse":
-calculation of the existing building frame (concrete columns and diaphragms with steel braces) considering the installation of new equipment;
-calculation existing concrete columns structural strengthening with steel clamps;
-calculation and drawing steel platforms for equipment (up to 30 tons);
-strengthening foundations with insufficient bearing capacity (spreading existing reinforced concrete foundations to distribute the load over a larger area);
-calculation of strengthening of existing concrete silos (up to 50 tons each) and frame for them;
-calculation and drawing of new steel silos (up to 50 tons each) and steel framing for them;
-steel conveyor galleries connecting the work buildings and the production building (lengths up to 30 meters);
-calculation of opening of easily removable structures intended for explosion protection of premises;
-addressed comments from State Autonomous Institution "State Expertise Department of the Republic of Bashkortostan"

Joint-Stock Company "Grain Terminal "KSK". Reconstruction of the "Grain Terminal with a cargo turnover of 2.5 million tons per year in the port of Novorossiysk" with an increase in capacity to 4 million tons per year (2012-2016)
21 Sukhumskoe Shosse, Novorossiysk, Krasnodar region, Russia

A commercial project to design a new deep-water grain berth No. 40A, built as part of a major investment project “Reconstruction of the grain terminal with an increase in cargo turnover to 4 million tons”
I designed “Grain storage facility with a capacity of 96 thousand tons” (4 silos: 30 meters diameter; 35 m height and 4 silos 25 m diameter, 35 m height). The grain storage facility is a purchased piece of equipment installed on monolithic reinforced concrete foundations. I performed:
- computer based and hand calculations for lateral and gravity systems;
- calculation and drawings of monolithic reinforced concrete foundation in special seismic and wind region
I designed “Conveyor overpasses and an evacuation tower” above the grain storage facilities (2 conveyor overpasses 120 meters long each):
-computer based and hand calculations for lateral and gravity systems;
-calculation and drawings of monolithic reinforced concrete foundation with piles;
-calculation and drawings steel framing of the conveyer overpasses: steel trusses, columns, beams, braces
-calculation and drawings steel framing of evacuation tower: steel columns, beams, braces
I designed “Elevator tower No. 1” (13.5mx7mx58m (height)) and “Elevator tower No. 2” (9mx7mx58 m(height)). Elevator towers are metal structures of a lattice type.
-computer based and hand calculations for lateral and gravity systems;
-calculation and drawings of monolithic reinforced concrete foundation with piles;
-calculation and drawings steel framing of towers: steel columns, beams, braces
-addressed comments from City Public Works.

"Chicken Kingdom-Bryansk", Bryansk (2010-2013)
32/1/5 Magistralnaya Street, Pochep City, Bryansk Region, Russia
A new Feed Mill with grain storage
I designed and calculated “Truck scales with a capacity of 60 tons”
It is a single-story brick building with load-bearing brick walls on which the hollow-core reinforced concrete roof slabs rest. The spatial immutability of the structure is ensured by bandaging the joints in the brickwork of the walls and the support of the floor slabs on the load-bearing walls. Monolithic concrete strip foundations
-computer based and hand calculations for lateral and gravity systems;
-calculation and drawings of foundation, masonry walls

I designed and calculated “Administrative and amenity building”.
It is a one-story metal frame building with walls made of fire-resistant sandwich panels in a plan of 33x14m. Partitions are made of plasterboard and brick, the ceiling is prefabricated from fire-resistant sandwich panels, attached to the metal truss of the frame.
I performed:
-computer based and hand calculations for lateral and gravity systems;
-frame system calculations: a metal frame, which is a transverse rigid frame, untied in the longitudinal direction by ties along the joists and purlins. The spatial rigidity and stability of the building is ensured in the transverse direction by rigid frame joins, and in the longitudinal direction by ties, purlins and a floor.
-calculation and drawings of monolithic strip pile foundations with bored piles
-addressed comments from City

WORK EXPERIENCE

NIPIGAS, Sibur Holding, Krasnodar, Russia
Krasnodarskiy Kray (Russia)
Structural Engineer
November 2016—June 2019

Verified by
Tatiana Streeter (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked at NIPIGAS, Krasnodar, Russia as a Structural Engineer from November 2016 to June 2019 (3 years, 7 months). During my time at NIPIGAS, I was working in the discipline Structural Engineering on a variety of projects.

General descriptions of engineering decisions I was responsible for:
- performing structural and civil design for various aspects of projects that adhere to local and federal code requirements. For each structural engineering project, I performed applications of national design standards relating to design loads, material and detailing;
- computer based and hand calculations for structural design: stress analysis (allowable limits in design codes), member selection for steel, clay masonry and concrete (to safely resist forces, material properties, and design codes specific to the location);
- performing structural calculation in computer program “Lira 3D” (analog Risa 3D)
- structural design and drawings: framing and foundation, detailing connections for a variety of buildings;
- design and calculation of buildings and structures for the extraction and processing of natural gas: pipelines, trestles, whatnots and other industrial buildings;
- static and dynamic analysis of steel and concrete structures;
- field supervision of the construction of buildings and structures;
- training colleagues on the calculation of buildings and structures for seismic loads.

Level of Responsibility: independently made decisions, design and calculations checked by a senior engineer

REPRESENTATIVE PROJECTS

Amur Gas Processing Plant (2016-2019)
Svobodnensky District, Amur Region, Russia
The Gazprom Amur GPP (Gazprom Pererabotka Blagoveshchensk) is the largest natural gas processing enterprise in Russia and one of the largest in the world.
I performed:
- computer based and hand calculations for lateral and gravity systems;
- design and calculation of foundations for equipment, tanks, and other structures
- design and calculation of the structural support systems for storage tanks, processing vessels, and other equipment that holds or processes gas and other materials
- design and calculation of structural support for process equipment like compressors, separators, and heat exchangers, ensuring they are securely mounted and can withstand operational loads
- design and calculation of the design of pipeline supports and racks that transport gas within the plant or to other locations (steel and concrete trusses, frames, etc.)

Omsk Gas Processing Plant (216-2019)
Omsk City, Russia
The Omsk Gas Processing Plant, part of Gazprom Neft, is a large oil refinery located in the Siberian city of Omsk, Russia.
I performed:
- computer based and hand calculations for lateral and gravity systems;
- design and calculation of foundations for equipment, tanks, and other structures
- design and calculation of the structural support systems for storage tanks, processing vessels, and other equipment that holds or processes gas and other materials
- design and calculation of structural support for process equipment like compressors, separators, and heat exchangers, ensuring

they are securely mounted and can withstand operational loads
- design and calculation of the design of pipeline supports and racks that transport gas within the plant or to other locations (steel and concrete trusses, frames, etc.)

WORK EXPERIENCE

ARQ Engineering, LLC, Fort Mohave, AZ
Arizona (United States)
Civil Design Technician
February 2020—January 2024

Verified by
Robert Laurence Morse
rlmorse@arqllc.com

Experience Summary
Full-Time
Engineering: 3 years, 11 months
Experience under licensed engineer: 3 years, 11 months

TASKS

I worked at ARQ Engineering, Fort Mohave, AZ for the past 3 years and 11 months (February 2020 – January 2024). I served as a Civil Engineer (non-registered) working in the disciplines of Civil and Structural Engineering on a variety of projects.
General descriptions of engineering decisions I was responsible for:
-performing structural and civil design for various aspects of projects that adhere to local and federal code requirements. For each structural engineering project, I performed applications of IBC, ASCE 7, ACI 318, NDS, SDPWS, AISC and references national design standards relating to design loads, material and detailing;
-site analysis: identifying environmental conditions, zoning, access, drainage patterns, natural features, utilizing existing topographic surveys, aerial photography, soil reports, and existing site plans;
-topographic survey maps of properties and surroundings;
-hydraulic analysis and reports;
-grading analysis and design;
-tasks related to developing improvement plans in commercial and public work jobs: performing the design of roadways and sidewalks, utilities (water, sewer, gas, and power), grading, hardscape design, storm drainage, horizontal and vertical control for utilities using software “Carlson Civil” (Civil 3D alternative);
-land use entitlements: preparing technical documents (grading plans, drainage calculations, utility plans) to demonstrate the feasibility and compliance of the proposed development with local regulations;
-created water network analysis reports;
-calculations for load determination, combinations and distribution: gravity load distribution (calc reactions at supports, the shear and moment in beams and columns), lateral load distribution (load paths for shear walls, diaphragms, braces);
-computer based and hand calculations for structural design: stress analysis (allowable limits), member selection for wood, steel, masonry and concrete;
-structural design and drawings: framing, foundation, detailing connections for a variety of buildings (wood residential houses, retaining walls, foundation and steel/wood framing for equipment);
Level of Responsibility: independently made decisions, design and calculations checked by a licensed engineer.

REPRESENTATIVE PROJECTS

Exceptional Community Hospitals (2020-2024):
40 E Milligan Rd, Eloy, AZ,
10960 N John Wayne Pkwy, Maricopa, AZ,
4822 AZ-69, Prescott, AZ,
2648 S. Araby Rd, Yuma, AZ,
2365 HWY 95, Bullhead City, AZ
Commercial projects to build hospital facilities that were proposed on undeveloped land with an approximate area of 8 - 10 acres each.
I performed:
-topographic survey maps of properties and surroundings using land survey and County (or City) data: identifying land elevation, slopes, contours, natural water flow paths, designating annotations to visually represent the terrain;
-ALTA/NSPS Land Survey. Drawing set with detailed information about a property's boundaries, easements, encroachments using land survey and county data);
-hydraulic analysis and reports. Determining the amount of runoff generated by rainfall based on multiple factors (land use, soil type, topography); flow calcs (water depth, velocity, flow rate at different points in the system); determining channel geometry, utilizing software “HydroCAD” to simulate water flow and analyze multiple scenarios. Calculation of systems of retention or detention facilities, culverts, channels, trench, swales, pipes, spillways.
-water network analysis (existing and proposed water systems, firewater, wastewater). Evaluating designs for new water networks or expansions to existing systems, identifying areas with inappropriate pressure, flow velocities or issues in existing networks,

analyzing fire water tank storage, using software “Epanet” and design requirements of regulations and codes. The reports analyzed existing and proposed water systems to be reviewed by public entities to meet minimum pressure and design requirements;
-retaining walls up to 8 ft height.
-addressed comments from County Public Works.

Home2 Suites by Hilton Lake Havasu City (2020-2023):
120 Park Avenue, LHC, AZ
A commercial project to build a hotel that was proposed on undeveloped land with an approximate area of 2 acres.
I performed:
-topographic survey map of the property and surroundings using land survey and Mohave County data identifying land elevation, slopes, contours, natural water flow paths on the site;
- grading analysis and design: Determining the amount of earthwork needed to level the site for construction, including cut and fill calculations, using “Carlson Civil”;
-improvement plans. Performing design and drawings of roadways, sidewalks, utilities (water, sewer, gas, power), grading, hardscape design, storm drainage using “Carlson Civil”;
-storm drainage analysis and design. Determining the amount of runoff generated by rainfall; flow calcs (depth, velocity, flow rate at different points in the system), utilizing “HydroCAD” to simulate water flow. Calculation and design of underground stormwater retention system;
- utility design (water, wastewater, firewater): horizontal and vertical control for utilities;
-structural design of retaining walls up to 6 ft;
-addressed comments from the City of Lake Havasu City Public Works.

Self-Storage Valencia (2020-2022):
Intersection of Valencia Rd & Hwy-95, Fort Mohave, AZ
A commercial project to build a storage facility that was proposed on undeveloped land with an approximate area of 4 acres.
I performed:
-topographic survey map of the property and surroundings using land survey and Mohave County data identifying land elevation, slopes, contours, natural water flow paths on the site;
-improvement plans. Performing design and drawings of roadway and sidewalk, utilities (water, sewer, power) grading, hardscape design, storm drainage using software “Carlson Civil”;
-on-site wastewater treatment design (septic tank with septic drain fields);
-hydraulic analysis and reports: determining the amount of runoff; implementing flow calcs, utilizing software “HydroCAD”;
-retaining walls;
-addressed comments from Mohave County Public Works.

Exceptional Community Hospital (2022):
2365 HWY 95, Bullhead City, AZ
Commercial project to build Carport Structure on area of hospital facilities.
I performed:
-structural analysis of steel frame system;
-computer based and hand calculations for lateral and gravity systems;
-structural design and drawing of structural elements (foundation, steel frame system, detailing connections);
-addressed comments from Bullhead City Public Works;
-shop drawing review of steel structural components.

Dallman Residence (2022-2023):
3776 Mountain View Rd, Bullhead City, AZ
A residential 2-story house with CMU basement and wooden frame.
-computer based and hand calculations for lateral and gravity systems;
-structural design and drawings of structural elements for wood, steel, masonry and concrete systems (foundation, basement walls, wood and steel frame systems, wood shear walls, 2nd floor diaphragm concrete slab on metal decking, wood roof diaphragm, detailing connections, retaining walls);
-addressed comments from Bullhead City Public Works

WORK EXPERIENCE

L.R. NELSON CONSULTING ENGINEERS
Nevada (United States)
Structural Engineer
July 2024—December 2025

Verified by
Sarah Bareng
sarah.bareng@lrneng.com

Experience Summary
Full-Time
Engineering: 1 year, 5 months
Experience under licensed engineer: 1 year, 5 months

TASKS

I have been working at L.R. Nelson, Las Vegas, NV from July 15, 2024 to current time (1 year 5 months). I served as a Structural Civil Engineer (non-registered) working in the discipline of Structural Engineering on a variety of projects.
General descriptions of engineering decisions I was responsible for:
- performing structural design for various aspects of projects that adhere to local and federal code requirements. For each structural engineering project, I performed applications of IBC, ASCE 7, ACI 318, NDS, SDPWS and references national design standards relating to design loads, material and detailing;
- computer based and hand calculations for load determination, load combinations and distribution: load determination (lateral and gravity), gravity load distribution (calc reactions at supports, the shear and moment in beams and columns), lateral load distribution (load paths for shear walls, diaphragms, braces, anchor bolts, lateral load collectors);
- computer based and hand calculations for structural design: stress analysis (allowable limits in design codes), member selection for wood, steel, masonry and concrete (to safely resist forces, material properties, and design codes specific to the location);
- structural design and drawings: framing and foundations, detailing connections for a variety of buildings (wood residential houses, retaining walls, foundation and steel or wood framing for equipment);
- shop drawing review of structural components: verifying that all dimensions, connections and material specifications match the original structural design drawings, calculations, and code references
- addressed comments from the City.
Level of Responsibility: independently made decisions, design and calculations checked by lead engineer.

REPRESENTATIVE PROJECTS

Sanctuary Building (2024-2025)
520 Lake Mead Pkwy, Henderson, NV
An existing steel-framed building is to be reconstructed with a change in occupancy to assembly use and a revised importance category. To be added are a performance stage, additional rooms for instructional and religious purposes, and a 9,800 sq ft steel mezzanine for classrooms, assembly, and storage.
I performed:
- calculation the allowable loads of existing structural elements, including foundations, roof beams, and columns, to assess capacity for additional loads in accordance with the assignment from the Architectural Department.
- design and calculation of the mezzanine structure, including wood shear walls, steel columns and beams, wood floor joists
- designed new openings in existing walls, including detailing connections and performing calculations for the affected existing structures (columns, grits, braces, beams).
- computer based and hand calculations for lateral and gravity systems;
- structural design and drawings of structural elements for wood and concrete systems (foundation, wood and steel frame systems, wood and steel shear walls, floor diaphragm, detailing connections);

Dove Rock, Summerlin Village (2024-2025)
Southeast Corner of Kestrel Creek Ave and Desert Foothills Dr, Las Vegas, NV
Residential 2-story duplexes with post-tension foundation and wooden frame.
I performed:
- computer based and hand calculations for lateral and gravity systems;
- structural design and drawings of structural elements for wood and concrete systems (foundation, wood frame systems, shear walls, floor and roof diaphragm, detailing connections);

Park 80 Apartments (2024)
4480 Sirius Ave, Las Vegas, NV
An existing 2-story apartment complex with fire-related damage.

I performed:

- computer based and hand calculations for lateral and gravity systems;
- structural design and drawings of structural elements for wood and concrete systems (foundation, wood frame systems, shear walls, floor and roof diaphragm, detailing connections);
- assessment of damaged areas, decision making on replacement or repair of damaged elements;

Goddard School for early childhood development (2025)
1120 Lake Mead Pkwy, Henderson, NV
A 2-story building with wooden frame for educational purposes. Total occupant load: 300 occupants. Total area of the building: 1900 sq ft.
I performed:
- structural design and calculations of structural elements for wood and concrete systems (foundation, wood frame systems, shear walls, floor and roof diaphragm, detailing connections);

St. Vincent Transitional Housing Elevator (2025)
Catholic Charities of Southern Nevada
1511 Las Vegas Blvd, Las Vegas, NV
An addition of a new elevator, elevator room and covered areas. The addition was made with reinforced masonry
- structural design and calculations of structural elements for wood and concrete and CMU systems (foundation, reinforced CMU, floor and roof diaphragm, detailing connections)

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
July 2019	January 2020	I was solving family issues during this time

CREDENTIALS EVALUATION - ENGINEERING

STREETER, TATIANA
(21-656-45)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Kuban State Technological University / Bachelors in Engineering - Computer and Automated Systems Software 09/01/2002 — 07/01/2008	Russia	Russian	None
Kuban State Technological University / Bachelors in Industrial and Civil Engineering 09/01/2008 — 06/01/2012	Russia	Russian	60
University of Nevada, Las Vegas / Masters in Civil and Environmental Engineering 01/01/2023 — 12/01/2025	United States	English	None

COMPARABILITY SUMMARY

Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	33 / 32	None
Engineering	50 / 48	None
General Education	30 / N/A	None
Elective/Other	46 / N/A	None

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	4.3
Calculus II	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	4.3
Chemistry	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.2
Differential Equations	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.5
Ecology	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.5
Engineering Geology	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Physics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	9.1
Probability & Statistics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.5
Theoretical Mechanics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	4.5
	Total semester credit hours earned:	**33.20**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Architectural Design & Civil Engineering	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.7
Automation in Construction Design	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.2
Building Physics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Concrete Technology	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.2
Earthquake Resistant Design of Structures	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.1
Electronics & Electrical Engineering	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Foundation Design	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3
Heat & Gas Supply & Ventilation	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Hydraulics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.9
Materials Science	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Metal Structures	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	4.5
Reinforced Concrete & Masonry Structures	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	5.6
Soil Mechanics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Strength of Materials	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	5.2
Structural Materials	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Structural Mechanics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.9
Structural Strengthening & Reconstruction	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.7
Structure Dynamics & Stability	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Testing of Structures	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.9
Timber & Plastic Structures	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.2
Water Supply	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3

Total semester credit hours earned: 50.40

GENERAL EDUCATION

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Economics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.8
English	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	7.3
History of Architecture	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Law	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.9
Pedagogy & Psychology in Higher Education	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.6
Philosophy	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.8
Political Science	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.3
Russian	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.4
Russian History	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.4
Scientific Literature & Writing	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.7
Sociology	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.6
	Total semester credit hours earned:	**30.00**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Architecture	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Building Materials	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.4
Computer Graphics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.1
Construction Estimating	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.4
Construction Machinery	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.4
Construction Organization & Management	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	3.9
Construction Planning	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Construction Regulations	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1
Construction Technology	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	8.5
Descriptive Geometry	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Engineering Geodesy	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Examine of Constructions	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Industry Economics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.9
Informatics	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	4.3
Investments	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.2
Life Safety	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Metrology & Standardization	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	1.3
Software	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.2
Technical Drawing	Kuban State Technological University / Bachelors in Industrial and Civil Engineering	2.4
	Total semester credit hours earned:	**46.40**

Total Semester Credit Hours Earned: 159

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

Post-graduate courses are ONLY used in an evaluation if they can assist in eliminating deficiencies that may be indicated in the undergraduate program.

Official Evaluations are ONLY available to state licensing boards and international exam sites through an applicant's NCEES account.

LUCAS TARA (20-892-64)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/22/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 7 months

Total Engineering Experience
4 years, 7 months

Experience under licensed engineer
4 years, 7 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
SUNY, State University of New York, University at Buffalo
August 2016–June 2020

EXAMS

Fundamentals of Engineering (FE)
New York
May 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
October 2021

LICENSES

Additional Licenses
None

WORK EXPERIENCE

US Navy - Naval Facilities Engineering Systems Command Southwest - Naval Air Station Fallon Facilities Engineering and Acquisition Division
Nevada (United States)
Civil Engineer Corps Officer
November 2020—January 2023

Verified by
Steven A Richard
steven.a.richard.civ@us.navy.mil

Experience Summary
Full-Time
Engineering: 2 years, 2 months
Post EAC degree: 2 years, 2 months
Experience under licensed engineer: 2 years, 2 months

TASKS

Civil Engineer (50%)
Developed comprehensive project design packages for bid including scope, schematics, specifications, and independent Government Estimates for small-scale civil and mechanical engineering projects including facility upgrades and renovation, water, wastewater, HVAC, drainage, and fire suppression.
Developed drawings and specifications for in-house Design-Bid-Build projects in accordance with United Facilities Criteria for small-scale civil, water and wastewater projects.
Conducted technical and constructability reviews of drawings and submittals for larger-scale Design-Bid-Build and Design-Build projects (airfield pavement, new F-35 hangar, and various facility renovations). Ensured United Facilities Criteria (UFC) compliance and recommended technical changes.
Analyzed naval installation utility systems and developed Utilities Technical Handbook, and all-in-one technical guide and data repository for electrical, potable water, wastewater, and natural gas systems.
Made technical recommendations for project scoping to upgrade existing utility systems to meet long-term needs of the Navy, statutory compliance, and optimal lifecycle costs (wastewater treatment plant).

Construction Engineer (25%)
Provided technical guidance during construction of various small-scale civil utility repair, wastewater, and facility renovation projects. Answered RFIs to ensure compliance with UFCs and Installation Master Plan. Made field recommendations for project change orders due to unforeseen site conditions. Developed scopes and independent government estimates for change orders. Conducted inspections, developed project punch-lists, and recommended project acceptance and beneficial occupancy.

Construction Manager (25%)
Provided Government oversight of execution of various small and mid-scale engineering projects including water, wastewater, facility renovation, paving, and airfield reconstruction. Ensured effective communication between Navy command customer, designer of record, prime contractor, Government contracting authority, and technical oversight teams. Conducted inspections and site visits for quality assurance and safety. Facilitated project kick-off and pre-construction meetings. Managed project schedule and budget. Vetted and communicated project outages. Approved contract invoices and compiled project closeout packages including O&M manuals, warranty information, and system testing and functionality documentation.

REPRESENTATIVE PROJECTS

REPAIR HIGH PRESSURE FIRE MAIN
Scope: Repair a poorly constructed lateral portion of high-pressure fire main serving airfield fire hydrants and aircraft hangar fire suppression (AFFF) systems at Naval Air Station Fallon, Nevada.
Dates: February through June, 2022
I was the lead engineer responsible for design and construction of an in-house design-bid-build project to reconstruct a lateral portion of a high-pressure fire main. I performed the design of fire main reroute under an electrical duct bank, selecting the depth of embedment, thrust block sizes and locations, fill material, compaction and concrete pavement thickness and strength specifications, to include a complete set of AutoCAD drawings and all specifications for the high pressure fire main and concrete airfield pavement disturbed. A licensed engineer (POC below) who stamped the drawings supervised all work. I also conducted an Independent Government Estimate and oversaw construction and commissioning.
POC: Michael Klapec, PE (mklapec@aol.com or michael.t.klapec.civ@us.navy.mil) 734-250-0203

WASTEWATER TREATMENT PLANT UPGRADES
Scope: Modify the wastewater treatment plant at Naval Air Station Fallon to correct a design deficiency in the geotextile sludge

dewatering system.
Dates: June 2022 through December 2022
I designed the system utilizing a clay-lined earthen impoundment for temporary sludge drying. I designed the reroute of the sludge piping and provided hydraulic calculations for pipe and pump sizing considering the viscosity of the sludge and change in elevation. I made engineering recommendations for a long-term solution including an equalization basin and tank tank sized for the anticipated treatment demand from new housing plans for the base. I analyzed alternatives for sludge processing and associated lifecycle costs for a screw-press dewatering system, concrete lined drying bed, and evaporation lagoon lined with high-density polyethylene liner with welded joints.
POC: Michael Klapec, PE (mklapec@aol.com or michael.t.klapec.civ@us.navy.mil) 734-250-0203

HANGAR HEATING PLANT DECENTRALIZATION
Scope: Remove a centralized steam heating plant in Naval Air Station Fallon's Hangar 1 and replace with two separate autonomous boiler rooms, one steam and one hydronic heating.
Dates: October 2021 through August 2022
I developed the project technical package for a design-build project to replace one centralized heating plant with two separate boiler rooms, including project scope and independent Government estimate. I calculated heating demand for the hangar space and made preliminary boiler sizing decisions for project scoping. I calculated structural loading for the installation of one of the new boiler rooms to be installed in a mechanical penthouse to verify structural capacity. I recommended the decommissioning and abandoning of an existing steam line running through the Hangar bay based on an operational risk assessment. I reviewed Contractor proposal and preliminary design and recommended reduction in boiler size based on reduced demand from a previous project.
POC: Michael Klapec, PE (mklapec@aol.com or michael.t.klapec.civ@us.navy.mil) 734-250-0203

LUCAS TARA (20-892-64)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

U.S. Navy
California (United States)
Civil Engineer Corps Officer
February 2023—July 2025

Verified by
Kevin Lachat
kevinlachat@gmail.com

Experience Summary
Full-Time
Engineering: 2 years, 5 months
Post EAC degree: 2 years, 5 months
Experience under licensed engineer: 2 years, 5 months

TASKS

Civil Engineer Corps Officer, Naval Construction Force (100%)
As project engineer, I planned, estimated and made engineering decisions for various horizontal and vertical construction projects supporting U.S. Navy priorities and humanitarian civil assistance projects across California and the Indo-Pacific area of operations, to include Japan and the Philippines. I developed project packages to include scopes of work, labor estimates and bills of material, construction schedules, safety and quality control plans. I designed critical building systems to include reinforced concrete tie beam and steel truss roof and sized a septic system. I analyzed drawings and specifications to ensure engineering compliance with relevant local building code and made engineering recommendations and decisions for field adjustments and design changes.

REPRESENTATIVE PROJECTS

FELIPE D. IRADER LEARNING CENTER
Scope: Construct an 18 x 7 meter two classroom school facility with two restrooms, concrete pedestal foundation and slab, concrete columns and roof tie beam, concrete masonry unit walls, steel truss roof, and metal doors and windows.
Location: Remote community of Brookes Point, Palawan, Philippines
Dates: 2024 - 2025
As Project Engineer and Officer in Charge, I developed the scope of work and calculated labor estimates and bills of material. I designed the roof system including sizing of reinforced concrete tie beam and layout of steel trusses, purlins and sheeting based on anticipated loads. I calculated the size of the school's septic system based on Philippine plumbing code and building capacity. I designed the school's gravity-fed water utility layout using basic hydraulic calculations to ensure suitable water pressure for the school's restrooms. I conducted a drainage analysis based on topographic data, local weather patterns and soil type for the school campus and communicated new construction impacts to local officials. I developed a comprehensive scaffolding design to ensure Occupational Safety and Health Administration (OSHA) compliance. I conducted constructability reviews prior to each definable feature of work. I analyzed results from soil density, concrete slump and compressive strength tests to ensure specifications were met. I used American Concrete Institute (ACI) guidelines to inform a concrete rehabilitation effort and made engineering recommendations regarding structural integrity of a damaged reinforced concrete beam.

CAMP HANSEN RANGE IMPROVEMENTS
Scope: Restore and expand range roads for III Marine Expeditionary Force tactical and weapons training center. Included placement and compaction of 350 CY of ¾-inch minus crushed rock across a 900 FT road.
Location: Camp Hansen, Okinawa, Japan
Dates: 2023
As the Project Engineer, I developed the scope of work to include road design and calculated labor, material and equipment estimates. I conducted borrow and fill calculations and resource-leveled to optimize equipment availability. I conducted field surveys for scope development.

CONSTRUCTION TRAINING EXERCISE MODULE
Scope: Construct a 19' x 30' x 5" reinforced concrete pad including thickened edge, RST, WWF, and five utility stub-ups. Project was part of a Seabee Technical Trainer and unit certifying exercise, but dual-purposed as permanent construction for future Pre-Engineered Building Erector technical training facility.
Location: Naval Base Ventura County, Port Hueneme, California
Dates: 2024
As project engineer, I reviewed specifications and inspected work to ensure compliance with quality control and safety plans. I analyzed drawings and made foundation engineering recommendations to the design engineer when unforeseen soil conditions were met in the field.

P.E. Supervisor/POC:
LCDR Kevin Lachat, Operations Officer
kevinlachat@gmail.com
(850) 559-3228

CASSIDY THORNBURY (20-935-69)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/21/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
5 years, 7 months

Total Engineering Experience
8 years, 1 month

Experience under licensed engineer
8 years, 1 month

Disciplinary Action
None reported

EDUCATION

Bachelors in Environmental Engineering (EAC)
San Diego State University
August 2017–May 2020

Masters in Civil Engineering
San Diego State University
August 2021–May 2023

EXAMS

Fundamentals of Engineering (FE)
California
June 2020

Principles and Practice of Engineering (PE)
Civil
California
October 2020

LICENSES

Additional Licenses
None

CASSIDY THORNBURY (20-935-69)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Carollo Engineers
California (United States)
Staff Professional
November 2017—December 2025

Verified by
Jeffrey Weishaar
JWeishaar@carollo.com

Experience Summary
Full-Time
Engineering: 8 years, 1 month
Post EAC degree: 5 years, 7 months
Experience under licensed engineer: 8 years, 1 month

TASKS

My role at Carollo Engineers is Staff Professional meaning I perform work and tasks related to water/wastewater treatment and conveyance infrastructure under the supervision of Professional Engineers and/or superior colleagues. Carollo Engineers is a consulting firm that specializes in the planning, design, and construction of water and wastewater facilities. During my 8 years at Carollo Engineers, I have worked on master planning projects where I have built, updated, and calibrated hydraulic models to analyze water distribution, reclaimed water distribution, and wastewater collection systems. For these projects, I have developed average day demands (ADD), maximum day demands (MDD) peaking factors, system-wide diurnal curves, and demand projections by pressure zone based on production data, population growth, and regulatory guidelines throughout the planning horizon. Based on the model findings and analysis, I then prepare capital improvement program (CIP) projects including prioritized lists of recommended system improvements with relevant cost estimates. I have also worked on infrastructure projects involving the assessment, design, replacement, or rehabilitation of water/wastewater facilities, pipelines, appurtenances, and lift stations/pump stations. This work consists of preparing various types of reports such as alignment studies, siting studies, preliminary design reports (PDRs), condition assessments, risk and resiliency studies, grant funding applications, and other miscellaneous technical memoranda. Each design project, I review existing conditions such as record drawings, utilities, and geotechnical conditions, as well as relevant codes and standards. From this information, I make recommendations according to the project scope. I prepare design drawings including plan and profile sheets and project-specific details, technical specifications, and cost estimates. Following final design, many projects have engineering services during construction (ESDC) where I review and approve product submittals based on design specifications, provide direction to Contractors in RFI's, and issue design modifications as needed.

REPRESENTATIVE PROJECTS

PROJECT 1) Alvarado Water Treatment Plant Biofilter Chlorine Piping Design; San Diego, California. 2017-2018.
Scope of work involved the development of detailed design drawings, specifications, and method of procedure (MOP) for piping to deliver chlorine solution to the filter backwash system. I reviewed standards and codes to ensure design was meeting all requirements. I determined tie-locations, valve locations, pipeline abandonment and pipeline routing through existing pipe tunnels and galleries. I analyzed the existing backwash water flow rate, system pressures, chlorine solution feed rate, injector water supply flow rate and pressure. I authored specification documents for equipment, pipelines, valves, and fittings. I developed a Class 2 engineer's estimate of construction cost based on materials, labor and equipment, and quantity take-off. I authored the MOP documents that identified which valves should be opened or closed at chlorinators and evaporators, and in-field direction for flow to the backwash water supply pipe.

PROJECT 2) Padre Dam Municipal Water District Integrated Water and Wastewater Master Plan; San Diego, California. 2018-2020.
The project was a comprehensive integrated master plan including demand projections, supply analysis, hydraulic modeling, and CIP development for water, wastewater, and recycled water systems. I analyzed GIS data, facility information (pump curves, valve settings, emergency power equipment, record drawings), land use data, historical production records, and operational data. I developed ADD and MDD peaking factors, a system-wide diurnal curve, and water demand projections per pressure zone for each planning year based on billing data, population projections, and conservation guidelines. I developed planning criteria utilizing standards established by the Owner and regulating agencies. I updated and calibrated the existing hydraulic model to simulate existing and projected system conditions. I prepared a CIP including a prioritized list of system improvements based on findings from the supply and system analysis.

PROJECT 3) Indian Street Sewer Crossing Project; Perris, California, USA. 2020-2022.
Scope of work includes the development of an alignment study, a PDR, detailed design plans and specifications for the replacement of approximately 1,000 linear feet of existing 10-inch sewer with a 15-inch sewer including trenchless construction,

transfer laterals, and existing sewer connections. I reviewed relevant codes and standards to identify specific design requirements. I determined sewer alignments to convey and maintain gravity flow with constructability review and value engineering assessments in coordination with the Owner. I developed design drawings including a base map identifying system features such as utilities, manholes, roads, sidewalks and project-specific details. I authored specification documents for procurement and contracting requirements, general project requirements, site construction, manholes, pipelines, and fittings. I evaluated existing sewer flow conditions for the development of a temporary bypass plan using temporary plugs to restrain flow, minimize potential spillage, and minimize impacts to the public. I developed a Class 2 engineer's estimate of the construction cost based on the materials, labor and equipment, and quantity take-off. During ESDC, I reviewed submittals based on design specifications, provided direction in RFI's, and issued addendum documents.

PROJECT 4) Sedco Hills and Avenues Septic to Sewer Conversion Project; Lake Elsinore, California. 2023-2025.
Scope of work involved the development of a technical application package for state grant funding, a PDR, design plans and specifications for approximately 57,000 linear feet of new sewer pipeline and 1,000 sewer lateral connections to convert onsite private septic tanks to an existing sewer system. I reviewed relevant codes and standards to identify design requirements. I developed a field investigation plan and collected field data to confirm the location and condition of existing utilities, as well as identify design constraints such as elevations of lots compared to roadway grades. I led the utility research and agency coordination effort to collect records of existing facilities and document any planned future facilities to avoid design conflicts. I Identified and implemented required permitting, easements, and local stormwater requirements. I determined critical project components such as existing tie in elevations, required grinder pumps, easements, and critical crossing utilities. I developed civil design drawings including a base map identifying system features, plan and profiles, as well as project-specific details. During ESDC, I reviewed submittals based on design specifications, provided direction in RFI's, and issued design modifications as needed.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2013	July 2017	I was working in restaurants during this time while in community college.

Electrical

TYLER DAVIES (15-060-13)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/19/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
6 years

Total Engineering Experience
6 years

Experience under licensed engineer
6 years

Other Experience

Disciplinary Action
None reported

EDUCATION

Non-degree
California Polytechnic State University
September 2008–July 2011

Bachelors in Electrical Engineering (EAC)
Stony Brook University
May 2013–August 2016

EXAMS

Fundamentals of Engineering (FE)
Nevada
April 2014

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
December 2025

LICENSES

Additional Licenses
None

TYLER DAVIES (15-060-13)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Carson Nugget Cafe
Nevada (United States)
Server
July 2011—July 2013

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

TYLER DAVIES (15-060-13)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

George T Hall Company
Nevada (United States)
Control System Specialist
July 2013—December 2019

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

TYLER DAVIES (15-060-13)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Verus Associates
Nevada (United States)
Electrical Design Engineer
January 2020—January 2025

Verified by
Donald Mewes
dmewes@verusaec.com

Experience Summary
Full-Time
Engineering: 5 years
Post EAC degree: 5 years
Experience under licensed engineer: 5 years

TASKS

Designing control system drawings for State of Nevada DOC facilities Door control, HMI interface, water and HVAC control.
Control drawings for large industries and factories including warehouses, water treatment and other industrial industries.
PLC Programming & plant wiring and electrical troubleshooting onsite
PG&E Hydro Electric and Gas compressor station panel assembly and design
Facotory Acceptance Testing panels.
Mentoring and training internal upcoming engineers.

REPRESENTATIVE PROJECTS

1. State Prison Door Control – Ely, Nevada (2020-2021)
I developed complete PLC control system deliverables for four inmate housing units (84 rooms per unit). Produced PLC panel drawings, including layout, wiring, and termination details. Programmed touchscreen HMI interfaces used by correctional officers to operate cell doors, monitor door status, and manage audio communication through the intercom system. Designed and implemented a facility-wide fiber optic network backbone interconnecting all PLCs for centralized communication and control. Fabricated, wired, tested, and commissioned control panels, verifying system functionality and operational reliability and during startup. Meeting strict safety requirements.

2. NV Energy Tracy Generating Station – Tracy, Nevada (2020-2021)
I developed complete PLC control system drawings for air handling unit and temperature controlled rooms and commissioned the panels. I also retrofitted a tie in switch gear with a new PLC and wrote a program for the tie in operation with more alarms, lockouts, and functionality. Commissioned and tested on site.

3. Obtained and renewed MSHA Certification CFR part 46 and 48 (2020-2025)
I showed understanding of NEC safety aspects as it pertains to above and underground mining safety.

4. Obtained UL 508A and UL 698A Certification for myself and our panel shop. (2021-2021)
I demonstrated the ability to lead a panel shop and construct control panels for Hazardous locations. Focusing on safety, wire sizing for circuit protection, motors, short circuits, and overloads.

5. PG&E Hydroelectric PLC Project – Plumas County, CA (2021-2022)
I assisted in designing the PLC schematics and programming for the Hydroelectric site at Cresta. Including interfacing with the water levels, flow, gate open position and commands, network and communication with the generator site down the hill. I built and wired the panels and performed a factory acceptance test in front of PG&E.

6. PG&E Natural Gas Compressor station PLC Project – Panoche, CA (2021-2022)
I assisted in designing the PLC schematics and logic required to replace the aging infrastructure at the Bethany Gas compressor station. Including an Emergency disconnect circuit independent from the PLC, and accompanying logic necessary to shut down and restart the plant safely. Design criteria also included voltage drop, motor sizing, wire sizing, disconnects and overload sizing.

7. PG&E Hydroelectric PLC Project – West Point, CA (2022-2023)
I lead the design of the PLC schematics and programming for the Hydroelectric site at West Point. This included interfacing with the water levels, flow, gate open position and commands, network and communication with the generator site down the hill. Including working directly with the Civil PE and team to coordinate our efforts.

8. PG&E Natural Gas Compressor station PLC Project – Los Medanos, CA (2022-2023)

I lead the design of the PLC schematics and logic required to replace the aging infrastructure at the Los Medanos Gas compressor station. Including Emergency disconnect circuit independent from the PLC, and accompanying logic necessary to shut down and restart the plant safely. Design criteria also included voltage drop, motor sizing, wire sizing, disconnects and overload sizing.

9. NNCC State Prison Door Control and Interface – Carson City, Nevada (2023-2023)
Similar to Ely State prison in requirements and the work I performed.

10. SDCC State Prison Door Control and Interface – Clark County, Nevada (2023-2023)
Similar to Ely State prison in requirements and the work I performed.

11. Became Factory Acceptance Testing Leader (2023-2025)
I became responsible for making sure all control panels were safe, built to NEC standards, tested, wires, fuses, disconnects, and motor components were sized correctly before it left our shop.

12. Turquoise Ridge Mine Detwatering PLC & HMI Barrick NGM – Humbolt County, NV (2024-2024)
I designed the PLC schematics required to replace the existing dewatering system. This process removed water from the mine shafts 1000s of feet below the surface, and was critical to mining safety so my programming, reviewing, and testing was paramount.

13. Battery Electrolyte monitoring panels - Reno, NV (2024-2025)
I designed, built, and tested 14 DC panels for monitoring battery voltage, current, intrusions, and motor positions.

14. Maximum security psychiatric facility – Lakes Crossing, Reno, NV (2024-2025)
I designed and programmed a PLC, HMI, and intercom system to replace the existing on site. Added inputs for additional doors, alarms, and interface with other security systems.

WORK EXPERIENCE

PK Electrical
Nevada (United States)
Electrical Designer
January 2025—January 2026

Verified by
Joseph Ganser
jganser@pkelectrical.com

Experience Summary
Full-Time
Engineering: 1 year
Post EAC degree: 1 year
Experience under licensed engineer: 1 year

TASKS

Working with our Water treatment team to design new, and upgrade existing, Lift stations, PRV, tanks and pump station sites with new utility transformers, power wiring, MCC components, lighting schedules, conduit schedule and routing, and controls logic.

REPRESENTATIVE PROJECTS

1. Blue Diamond Pumping Station, Reservoir, and PRV Facilities – Blue Diamond, Nevada (2025-2026)
This project involved the complete electrical design of a municipal pumping station for a public water system.
I designed the electrical power distribution system for the facility. I prepared the electrical single-line diagram, panel schedules, equipment schedules, grounding and bonding plan, lighting plan, conduit schedules, conduit layout drawings, and electrical construction details. I calculated connected loads, demand loads, and available short-circuit current in accordance with the NEC and IECC. I evaluated system performance and sized the site transformer. I coordinated electrical service requirements with the serving utility.
I designed motor power and control circuits for three pumps. I selected overcurrent protective devices and motor starters and integrated the equipment into the MCC. I calculated feeder and branch circuit conductor sizes based on load current, voltage drop, insulation type, ambient conditions, number of conductors, and routing distance. I sized conduit and routed conduit systems between electrical equipment and field devices.
I designed surge protection for the facility. I selected and applied surge protective devices at the service entrance and distribution equipment to protect motors, control panels, and instrumentation. I designed interior and exterior lighting systems to support safe operation and maintenance using design software.
I developed pump control logic for normal operation, alternation, alarms, and failure conditions. I prepared P&ID drawings and PLC schematic diagrams defining level control, interlocks, and alarm functions.
I produced electrical and control drawings in AutoCAD for the construction document set.

2. Rainbow Ridge Pumping Station and Reservoir – Henderson, Nevada (2025-2026)
Similar to Blue Diamond in requirements and the work I performed.

3. KB Homes Lift Station, Dry well, wet well, and Odor Control containment building – Meriden St. Las Vegas, Nevada (2025-2025).
This project involved the complete electrical design of a municipal lift station.
I designed the electrical power distribution system for the facility. I prepared the electrical single-line diagram, panel schedules, equipment schedules, grounding and bonding plan, lighting plan, conduit schedules, conduit layout drawings, and electrical construction details. I calculated connected loads, demand loads, and available short-circuit current in accordance with the NEC. I evaluated system performance and sized the site transformer.
I designed motor power and control circuits for two pumps. I selected overcurrent protective devices and motor starters and integrated the equipment into the MCC. I calculated feeder and branch circuit conductor sizes based on load current, voltage drop, insulation type, ambient conditions, number of conductors, and routing distance. I sized conduit and routed conduit systems between electrical equipment and field devices.
I applied NEC hazardous location requirements to the electrical design. I determined area classifications and selected wiring methods, conduit sealing fittings, and equipment suitable for classified locations. I designed the facility grounding and bonding system, including bonding of electrical equipment and metallic piping.
I designed surge protection for the facility. I selected and applied surge protective devices at the service entrance and distribution equipment to protect motors, control panels, and instrumentation. I designed interior and exterior lighting systems to support safe operation and maintenance.
I developed pump control logic for normal operation, alternation, alarms, and failure conditions. I prepared P&ID drawings and PLC schematic diagrams defining level control, interlocks, and alarm functions.

4. City of Reno Lift Stations – Eagle Ridge, South Dakota, El Rancho, Retrack, Panther Valley (2025-2026):
Similar to KB Homes Lift Station in requirements and the work I performed.

5. Marlette Lake Off-Grid Solar and Generator Electrical Design – Marlette Lake, Nevada (2025-2025)
This project involved the electrical design of an off-grid power system for a remote water pumping facility at Marlette Lake, Nevada
I designed the off-grid electrical power system. I calculated connected and demand loads for SCADA equipment, generator auxiliaries, a 30 kW generator and load bank, and a 225 kW generator. I analyzed operating scenarios and sized the PV array, battery bank, and battery charger to meet system power and reliability requirements.
I designed AC and DC power distribution for the PV and battery systems, including panelboards and overcurrent protection. I calculated conductor and conduit sizes based on current, voltage drop, insulation type, ambient conditions, and routing distance. I increased conductor sizes where required to accommodate revised loading conditions.

JONATHAN LEWIS (19-213-47)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/09/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
2 years, 5 months

Experience under licensed engineer
2 years, 5 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

EDUCATION

Bachelors in Biomedical Engineering
California Polytechnic State University, San Luis Obispo
September 2014–June 2018

Masters in Electrical Engineering
University of Colorado, Boulder
August 2019–May 2023

EXAMS

Fundamentals of Engineering (FE)
California
June 2018

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
April 2025

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Thermo Systems LLC
Nevada (United States)
Lead Control Systems Engineer
July 2023—December 2025

Verified by
Nikhil Tandon
Nik.Tandon@thermosystems.com

Experience Summary
Full-Time
Engineering: 2 years, 5 months
Experience under licensed engineer: 2 years, 5 months

TASKS

Hardware factory acceptance testing control panels to confirm components are functional, wiring is accurate to the panel drawings, and troubleshooting as issues arise. Field troubleshooting equipment communications with vendors when Modbus and BACnet information is not arriving in the network as expected. Troubleshooting AVEVA issues in order to correctly display field values on graphics. Interacting with clients and commissioning agents as needed to clarify their questions about the SCADA system. Assisting with design and document development such as panel MELs and network riser diagrams.

REPRESENTATIVE PROJECTS

I supported various projects by performing panel hardware factory acceptance tests (HFATs) and working short term relocations at two QTS data center projects.

From July 2023 to March of 2024 I completed many HFATs, the largest consisting of 56 panels for a QTS data center in Phoenix. I confirmed that everything called had been installed, wired, and grounded per design, followed by testing to ensure that during powering up all components received their expected voltage of either 120 VAC or 24 VDC. Once the panel was powered on I tested for power redundancy per design of both the incoming AC and internal DC power and then confirmed no damage to the PLC components in a slightly different way depending on the PLC model. For the MicroLogix controllers I would connect to them with Connected Components Workbench and test the IO points to confirm the IO modules worked as expected, reading the correct count for the digital and analog input cards or sending out the correct amperage or voltage for the analog or digital output cards. For the CompactLogix controllers I flashed the version to the specified version, created a blank project in Studio5000 with the correct IO slot configuration, and tested the IO points in the same manner as with the MicroLogixs.

My first short term relocation was at the Richmond QTS site from March 2025-January 2025. There I performed level 3 (L3) testing of the electrical power monitoring system (EPMS) by confirming values displayed on graphics matched the values on device HMIs in the field, supporting the commissioning agents (Iconicx) with their level 4 (L4) testing of both EMPS and building monitoring systems (BMS), as well as all 5 Integrated Systems Tests (IST). ISTs involved loading the data hall to 100% and performing 3 tests; confirming temperatures in the data hall would be maintained if up to 4 computer room air conditioners (CRACs) failed, all EPMS line ups would start their generators if utility power failed, and if both the utility and generator of a primary line up failed, the reserve line up would fully pick up the load. During ISTs I had 2 primary roles; I took screenshots of graphics at designated points which would be included in Iconicx's report to QTS, in addition to answering any questions that arose from either Iconicx or QTS pertaining to the graphics. At this project I gained proficiency with 3 main softwares, Modscan, AVEVA's System Platform IDE, and TOP Server in order to troubleshoot and correct any issues discovered by myself or other team members during L3s or L4s. I used Modscan to confirm Modbus maps we had received from vendors were correct when values were displaying locally but not on graphics, working with vendors to confirm their IP addresses and device IDs were set up according to the master port schedule, used AVEVA's Object Viewer to check all data input sources were correctly set up, corrected data scaling to display decimal values, correcting TOP Server IPs and device IDs when the port schedule changed, and modifying template scripts to correct data input sources.

I have been part of the team at the New Albany QTS sites from February 2025 to the present. In addition to continuing the tasks I performed at Richmond I have been in charge of configuring Prosoft gateways to send data from the roof top units (RTUs) and variable air volume units (VAVs) to their manager PLC, troubleshoot the chiller line up, chiller manager, and computer data hall manager PLC codes, and been part of 2 ISTs and their prerequisite mechanical systems tests (MSTs) shifting more heavily into co-leading our team with the commissioning manager, where I would answer most of the technical questions while he would provide most of the history for time lines and schedule and design changes.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
July 2018	July 2019	Applying for Biomedical Engineering jobs and eventually expanding to also applying for Master programs in Electrical Engineering.

Mechanical

THOMAS BEACH (21-631-72)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/14/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Mechanical Engineering (EAC)
University of Nevada, Reno
August 2017–May 2021

EXAMS

Fundamentals of Engineering (FE)
Nevada
April 2021

Principles and Practice of Engineering (PE)
Mechanical
Nevada
January 2026

LICENSES

Additional Licenses
None

WORK EXPERIENCE

ADM Associates
Nevada (United States)
Engineer II
October 2021—October 2025

Verified by
Blake Heckendorn
Blake.Heckendorn@qualuscorp.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

In this engagement, I was primarily responsible for engineering analysis and measurement & verification (M&V) activities. My engineering duties included conducting site visits, developing verification plans, collecting field measurements, analyzing equipment performance, and performing custom engineering calculations based on industry protocols such as IPMVP. I evaluated energy conservation measures (ECMs) such as LED lighting, HVAC systems, and dehumidification equipment. These tasks required the application of mechanical engineering principles, data analysis, and technical reporting to determine savings realization rates.

In addition to engineering tasks, I also completed non-engineering responsibilities, such as coordinating with clients and contractors during site visits, drafting clear and concise reports for both technical and non-technical audiences, and managing communication schedules. These activities ensured effective stakeholder engagement and timely project delivery.

On average, approximately 85–90% of my work was engineering-focused, while the remaining 10–15% involved non-engineering tasks such as communication, documentation formatting, and project coordination.

REPRESENTATIVE PROJECTS

Indoor Cultivation Facility Retrofit – 55,000 ft² Controlled-Environment Agriculture Site
Dates of Involvement: January 2023 – March 2024

I performed mechanical engineering and M&V services for the conversion of a former ice arena into an indoor cultivation facility. The retrofit included 684 LED horticultural luminaires, 18 rooftop DX HVAC units (7.5–15 tons each), and 32 standalone dehumidifiers.

I reviewed architectural and mechanical drawings, verified installed equipment through field inspections, and collected real-time temperature, humidity, and amperage data using portable loggers. Baseline energy use was reconstructed from archived utility records. Using IPMVP Option A+, I developed bin-hour and psychrometric models to quantify sensible and latent loads associated with lighting, cooling, and dehumidification.

Energy interactions between lighting heat rejection and compressor operation were modeled to establish verified savings. The analysis achieved a realization rate of 112 % compared with initial projections. This work required integration of thermodynamic calculations and field-measured data to validate energy and moisture balances under varying environmental conditions.

Indoor Cultivation Facility Evaluation – 40,000 ft² Horticultural Grow Site

Location: Confidential
Dates of Involvement: May 2022 – December 2023

I conducted M&V for an indoor horticultural facility implementing LED lighting, DX HVAC units with hot-gas reheat, and desiccant dehumidifiers. My role included developing a detailed M&V plan, defining measurement intervals, and collecting performance data using Fluke 1736 loggers.

Temperature-bin data were paired with manufacturer compressor curves to evaluate performance across load conditions. Psychrometric methods were applied to calculate latent heat from plant transpiration and reheating energy required for humidity control. Manufacturer specifications and contractor submittals were reviewed to confirm baseline and retrofit parameters.

The verified annual savings totaled approximately 510,000 kWh, within ±4 % of modeled estimates. Field data revealed excess nighttime dehumidifier cycling, leading to control adjustments that reduced run hours by roughly 9 %. This project strengthened my expertise in psychrometric modeling, bin-based energy analysis, and moisture-load quantification in controlled-environment systems.

Commercial Grocery and Food Service Facility – HVAC and Refrigeration Retrofit
Dates of Involvement: October 2021 – November 2023

I performed post-installation M&V for a 24-hour grocery and food-service facility following HVAC and refrigeration system upgrades. The project involved high-efficiency rooftop HVAC units, demand-controlled ventilation (DCV), and ECM condenser fan motors on refrigeration condensers.

On-site verification included measuring compressor amperage, suction/discharge pressures, and case temperatures while reviewing building automation trend data. Using ASHRAE Fundamentals, I calculated condenser heat rejection, internal gains, and ventilation loads to quantify coupling between refrigeration systems and cooling demand.

Custom energy models were built to isolate HVAC, refrigeration, and ventilation contributions. Verified savings were within ±7 % of predicted results. My report identified a DCV sensor placement issue that, once corrected, reduced exhaust fan runtime by 20 %. The analysis combined thermodynamics, airflow assessment, and practical field validation to ensure the retrofit delivered measurable efficiency gains.

Industrial Food-Processing Facility – Fan and Pump System Optimization
Dates of Involvement: February 2022 – November 2024

I evaluated the installation of variable-frequency drives (VFDs) on large process fans and pumps within a continuous-operation industrial plant. The project replaced constant-speed motors (150–200 HP) with VFD-controlled units and optimized system sequencing for part-load efficiency.

My tasks included verifying installed motor horsepower, monitoring frequency output, and measuring static pressure before and after retrofit. I developed fan performance curves using affinity laws ($Q \propto RPM$, $P \propto RPM^3$) and constructed bin-temperature models to simulate annual operation. BAS trend data were analyzed in 15-minute intervals to calibrate energy models.

Post-retrofit data indicated a 19 % reduction in average motor amperage and verified annual savings of roughly 420,000 kWh. Control logic conflicts discovered during commissioning were resolved through revised sequencing, improving fan turndown and increasing savings by about 8 %. This project required applied mechanical judgment to interpret dynamic process loads and confirm system performance consistency with modeled results.

NATHAN CLINGER (20-147-26)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
02/01/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
6 years, 9 months

Total Engineering Experience
6 years, 9 months

Experience under licensed engineer
5 years, 6 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Mechanical Engineering (EAC)
University of Nevada, Reno
August 2015–May 2019

Masters in Business Administration
University of Nevada, Reno
August 2019–December 2020

EXAMS

Fundamentals of Engineering (FE)
Nevada
April 2019

Principles and Practice of Engineering (PE)
Mechanical
Nevada
September 2025

LICENSES

Additional Licenses
None

NATHAN CLINGER (20-147-26)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ACCO Engineered Systems
Nevada (United States)
Service Sales Engineer
May 2019—February 2026

Verified by
Matthew Spaulding
mspaulding@accoes.com

Experience Summary
Full-Time
Engineering: 6 years, 9 months
Post EAC degree: 6 years, 9 months
Experience under licensed engineer: 5 years, 6 months

TASKS

Engineering Intern May 20, 2019

I began working for ACCO Engineered Systems on May 20, 2019, as an Engineering Intern upon receipt of my undergraduate mechanical engineering degree. My primary duties included preparing construction cost estimates, load calculations, duct and pipe sizing calculations, equipment recommendations, and Building Information Modeling (BIM) coordination. I would present my work to different managers who would then provide recommendations to customers. All my work was reviewed prior to submitting anything to a customer. I returned to school in August of 2019 to pursue an MBA. Between August 2019 and January 2021, I was a part-time employee working approximately 24 hours a week while in school. I returned to ACCO Engineered Systems as a full-time employee in January 2021.

Project Engineer January 25, 2021

In addition to the work I performed as an Engineering Intern, I was now responsible for developing CAD drawings, code review and interpretation, and obtaining local and state permits. I would then present my work to different managers and licensed engineers for review and corrections. I worked on simple projects, such as package unit installations. Occasionally, I would submit my work directly to customers after a brief review.

Service Sales Engineer April 12, 2023

This role is more in line with the responsibilities of a manager. In addition to the work I performed as a Design Engineer, I began submitting reports directly to customers upon completion of calculations for load calculations, air exchange rates, duct and pipe sizing, etc. My projects began to increase in complexity, and I began working on projects including a dust collection system and a process steam boiler. Any major design work would still be reviewed by a licensed mechanical engineer, but I was given greater personal responsibility and often worked directly with customers.

REPRESENTATIVE PROJECTS

Commissioning of HVAC System
Google Data Center Construction Project, Sparks, NV
2/19/2020 to 1/25/2021

I was an Engineering Intern working on the commissioning team for a Google data center construction project. I reviewed and compiled the equipment startup reports and test and balance reports to ensure compliance with the design specifications and coordinated with multidisciplinary contractors utilizing Building Information Modeling (BIM). I also prepared cost estimates for construction costs for additional scopes of work as required.

Design of HVAC System
Chuy's Restaurant HVAC Design and Installation Project, Reno, NV
03/01/2021 to 06/02/2021

I was a Project Engineer working on the construction of a restaurant. I verified existing as-built conditions, completed engineering calculations for duct sizing, developed CAD design drawings, interpreted the International Mechanical Code, and obtained a building permit. I also created a spreadsheet to calculate the required CFM of the installed kitchen hood in compliance with the International Mechanical Code.

Design of Dust Collection System
Cascade Designs Dust Collection System Design and Installation Project, Reno, NV
08/03/2022 to 11/20/2023

I was a Service Sales Engineer responsible for designing and implementing a dust-collection system for a tent manufacturing line at Cascade Designs. I verified the existing as-built condition, worked directly with Cascade Designs to select the appropriate equipment in compliance with local mechanical codes, prepared a construction cost estimate, and obtained a construction permit. I reviewed the mechanical plans to ensure compliance with the design criteria.

Design of HVAC System
Hung A Lel Ti Community Education Center HVAC System Design and Installation Project, Markleeville, CA
02/02/2024 to 11/07/2025

I was a Service Sales Engineer Responsible for the design and implementation of a HVAC system for the Hung A Lel Ti Community Education Center. I verified the existing as-built condition, performed a load calculation to size equipment, worked directly with the Hung A Lel Ti community to select the appropriate equipment, and prepared a construction cost estimate. I also worked with an outside consulting engineer to verify that the equipment installation complied with local mechanical codes, even though the community lacked a licensed mechanical inspector.

CONRAD SALBORO (20-602-71)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
01/13/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
5 years, 11 months

Total Engineering Experience
5 years, 11 months

Experience under licensed engineer
5 years, 11 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Mechanical Engineering (EAC)
University of Nevada, Las Vegas
August 2015–December 2019

EXAMS

Fundamentals of Engineering (FE)
Nevada
October 2019

Principles and Practice of Engineering (PE)
Mechanical
Nevada
December 2025

LICENSES

Additional Licenses
None

WORK EXPERIENCE

American Bio Engineers/Aperture, LLC.
Nevada (United States)
Forensic Expert
January 2020—October 2025

Verified by
Brian Keith Jones
brian.jones@aperturellc.com

Experience Summary
Full-Time
Engineering: 5 years, 9 months
Post EAC degree: 5 years, 9 months
Experience under licensed engineer: 5 years, 9 months

TASKS

I was a forensic expert with areas of expertise in motor vehicle accidents, vehicle dynamics, speed analysis, vehicle maintenance, vehicle data recorders, and heavy vehicle data recorders.

- Determine impact severity of motor vehicles involved in a variety of different motor vehicle collisions by utilizing conservation of momentum and restitution.
- Utilized tools like EDCCorp's HVE (Human Vehicle Environment) to simulate motor vehicle collisions using EDR and ECM data, scene photographs, accident scene scan data, police reports, and witness statements to determine accident severity and/or liability.
- Download and analyze event data recorder (EDR/black box) reports obtained from motor vehicles that are involved in motor vehicle accidents.
- Download and analyze engine control module (ECM) data from heavy vehicles (tractor trailers) involved in motor vehicle collisions.
- Scene inspections, survey, and scans utilizing a 3D laser scanner (FARO, Leica) and drones.

REPRESENTATIVE PROJECTS

Design Project - Crash Simulation Sled (2020)
I worked within a team of 3 fellow engineers. I designed and fabricated a crash simulation sled that would be used to test minor/low speed motor vehicle impacts. The sled was specifically designed to test the occupant kinematics (forces, accelerations) at varying low speeds, and also in various impact configurations (rear-end, frontal, t-bone). Once completed, our team utilized the sled in crash tests both with human occupants and a Hybrid-III anthropomorphic test device to measure the occupant kinematics and accelerations and compare them to minor accident cases.

Publication - Crash Simulation Sled Validation (2021-2022)
I served as a co-author on the SAE technical paper "Validation of Utilizing a Self-Propelled Crash Sled to Simulate Occupant Accelerations in Minor Rear-End Impacts." The purpose of this paper was to compare the collected/measured occupant kinematics data (using a human volunteer) recorded from the simulation sled that I designed and fabricated with data from motor vehicle accidents that occurred in the real world. The paper was successfully peer-reviewed and published by the Society of Automotive Engineers (SAE) in January 2022.

Accident Reconstruction Analyses (2020-2025)
I inspected hundreds of vehicles and also reconstructed hundreds of motor vehicle collisions during my employment with Aperture LLC (formerly American Bio Engineers). I communicated with clients and arranged/scheduled inspections of the involved vehicles. During the inspection I documented physical evidence (crush width, crush depth, paint transfer, scuffing, scuffing type and striations, damage location, impact location, and components involved) with hand-written notes and photographs. I also collected/retrieved the vehicle's EDR data/report (if equipped with functionality) and create a 3D scan of the vehicle using a 3D laser scanner or LiDAR scanner using an iPad. I performed calculations using the observed and collected physical evidence by utilizing the momentum-energy-restitution method to determine the change in velocity (delta-V) that the vehicles experienced during the subject collision. If appropriate, I also ran simulations utilizing the EDCCorp HVE software to reconstruct the accident. The simulations would take into account the physical evidence collected during inspections as well as client-provided documents like dash cam videos, witness statements, depositions, and police reports to recreate and simulate the accident. The simulation that I created would determine post and pre-impact speeds of vehicles, change in velocity of the vehicles, and approach/departure angles to determine impact severity as well as liability (was someone driving over the speed limit, did someone fail to stop at a stop sign at a 4-way-stop intersection, did someone fail to maintain their lane, did someone run a red light). My findings (calculations, simulations) would be provided to the client through verbal (telephone conference) or written (report, email)

methods.

Photogrammetry analyses (2020-2025)
I used PhotoModeler, a photogrammetry software, to measure a vehicles crush and damage profile for hundreds of accident reconstructions to accurately model and measure damage to vehicles that were not available for inspection. I would utilize client-provided photographs of vehicles that were involved in an accident, and use photogrammetry to compare them to photographs of an exemplar vehicle to determine like features that can be used to create an accurate model. Exemplar vehicle photographs could be retrieved from past inspections of vehicles of the same make-model-year that I conducted, or of an exemplar vehicle that I inspected to retrieve photographs for specific photogrammetry use (i.e. dealership vehicle). I would then utilize the measured crush and damage from photogrammetry in my calculations to determine impact severity.

Data Retrieval Collection and Analyses (2020-2025)
I inspected hundreds of vehicles involved in motor vehicle accidents and downloaded the data from their airbag control module (ACM) to retrieve the event data recorder (EDR) report. I analyzed the EDR reports to determine if the ACM recorded the subject accident. If it did, I analyzed the data regarding the subject accident to determine vehicle speed, driver input (gas pedal, steering, brake pedal), and vehicle behavior (accelerating, decelerating, braking, braking with ABS activation). I used this gathered information to corroborate my calculations to strengthen my analysis, or use the pre-crash information to determine liability or for a HVE simulation. Once the EDR data has been analyzed, I report my findings to the client through verbal or written methods.

CONRAD SALBORO (20-602-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Donan Engineering
Nevada (United States)
Forensic Engineer
October 2025—December 2025

Verified by
Matthew Kenneth Parsons
mparsons@donan.com

Experience Summary
Full-Time
Engineering: 2 months
Post EAC degree: 2 months
Experience under licensed engineer: 2 months

TASKS

My responsibility is to perform testing/studies on received evidence to determine if a failure has occurred. If a failure did occur, what the failure is and what is the cause. I am responsible for inspection 10 or more received evidence on a weekly basis. I am also responsible to determine the appropriate testing for each evidence to determine if a failure exists. Once testing is complete, I produce a written report detailing the condition of the received evidence, what the evidence is, the testing methodology, the failure, and the cause.

REPRESENTATIVE PROJECTS

Project Number 25097893-ND
I received a water heater that was reportedly leaking water when in use. During my study, I inspected the water heater for any signs of abuse or impact to the exterior. I connected the water heater to a domestic water supply and pressurized it with approximately 55 psi. Once, pressurized, leakage was observed near the drain valve of the water heater. Upon closer inspection, it was observed that the leak was emanating from the drain valve itself. Once removed, the drain valve was connected to a domestic water supply and pressurized. There was a leak to the valve stem of the drain valve due to degradation to the wetted surface of the drain valve. This was identified as a manufacture's defect, as the plastic drain valve can undergo degradation due to the exposure to chlorine in the water supply. I then wrote a report of my findings and provided that to the client.

Project Number 25108507-ND
I received a washing machine that reportedly failed and leaked. During my study, I inspected the washing machine for any signs of impact or abuse. I connected the washing machine to a hot-water and cold-water domestic water supply. The washing machine was operated on a normal washing machine cycle with warm water. As the washing machine was filled, the solenoid valves in the washing machine were cycled and the cold-water solenoid valve became stuck in the open position. The power cable was disconnected from the washing machine and the cold-water solenoid valve remained stuck in the open position with water flowing into the washing machine when it should have been closed. This failure resulted in the conclusion that to determine the failure in the valve, a destructive method of testing (disassembly) would need to be conducted. My findings were summarized in a written report and provided to the client.

5. Injunctive Relief for Case# 20250054

BEFORE THE STATE OF NEVADA

BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

IN THE MATTER OF

LAZELL PREATOR

A FORMER PROFESSIONAL ENGINEER

LICENSE NUMBER 014982 (Now Lapsed)

COMPLAINT NO. 20250054

_____/

DECISION AND ORDER

ALLISON MacKENZIE, LTD.
402 North Division Street, P.O. Box 646, Carson City, NV 89702
Telephone: (775) 687-0202 Fax: (775) 882-7918
E-Mail Address: law@allisonmackenzie.com

The above matter was heard before the State of Nevada Board of Professional Engineers and Land Surveyors ("State Board") on January 15, 2026, at the Las Vegas office of the State Board located at the Holsum Bread Building, 241 W. Charleston Blvd., Suite 130, Las Vegas, Nevada, at 10:15 a.m. LAZELL PREATOR, ("Mr. Preator") received proper notice of the time and place for this matter, yet failed to appear and was not represented by counsel. Chris MacKenzie, Esq., of the law firm Allison MacKenzie, Ltd., presented the matter to the State Board, on behalf of the Executive Director of the State Board. Rosalie Bordelove, of the Office of the Attorney General of the State of Nevada, served as counsel for the State Board. Witnesses having been sworn, testimony heard, and evidence having been introduced, the matter was submitted to the State Board for decision, and the State Board, after due consideration, did find and decide as follows:

Procedural History

1. Mr. Preator is a formerly licensed as a professional engineer in the State of Nevada having license number 014982 in the discipline of civil engineering.

2. On or about November 8, 2018, based on a disciplinary complaint filed against Mr. Preator, the State Board executed a Stipulated Agreement ("2018 Stipulated Agreement") with terms offered by Executive Director of the State Board and accepted by Mr. Preator.

3. Under the 2018 Stipulated Agreement, Mr. Preator acknowledged that he violated various statutes and regulations under NRS chapter 625, and he and the State Board agreed that his professional engineering license, issued by the State Board, was to be suspended for twelve (12) months, but with the suspension stayed, and probation imposed for the remainder of that time, so long as Mr. Preator complied with the terms of the 2018 Stipulated Agreement.

4. On or about January 14, 2021, based on two disciplinary complaints filed against Mr. Preator, the State Board executed a Stipulated Agreement ("2021 Stipulated Agreement") with terms offered by Executive Director of the State Board and accepted by Mr. Preator.

5. Under the 2021 Stipulated Agreement, Mr. Preator acknowledged that he violated various statutes and regulations under NRS chapter 625, and he and the State Board agreed that his professional engineering license, issued by the State Board, was to be suspended for thirty-six (36) months, but with the suspension stayed, and probation imposed for the remainder of that time, so long as Mr. Preator complied with the terms of the 2021 Stipulated Agreement.

6. On January 31, 2023, after due notice and a hearing thereon, the Chair of the State Board executed a Decision and Order against Mr. Preator finding that Mr. Preator had violated the terms of the 2021 Stipulated Agreement and lifting stay on the suspension of his license.

7. On January 1, 2024, Mr. Preator allowed his already suspended licensure with the State Board to lapse.

8. On November 12, 2024, based on another disciplinary complaint filed against Mr. Preator, the State Board executed a third Stipulated Agreement ("2024 Stipulated Agreement"), which was accepted by Mr. Preator, wherein Mr. Preator acknowledged that he again violated various statutes and regulations under NRS chapter 625. The State Board imposed conditions that Mr. Preator would have to follow before applying for his lapsed license to be considered for reinstatement.

9. On October 30, 2025, the State Board received information that, despite having a lapsed license, Mr. Preator was continuing to practice as a professional engineer in the State of Nevada and was now using the seal/stamp/digital signature of Rhonda Cervantes, P.E. on projects

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Telephone: (775) 687-0202 Fax: (775) 882-7918
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submitted for Mr. Preator, and his purported business, Preator Consulting, LLC, a revoked Nevada limited liability company.

10. On or about November 20, 2025, based on another disciplinary complaint filed against Mr. Preator, the State Board sent a Cease-and-Desist Order, pursuant to NRS 625.520(2)(a), ordering Mr. Preator to immediately stop representing Preator Consulting as being able to offer or provide professional engineering services in Nevada and providing notice to Mr. Preator of the potential for a preliminary injunction.

11. On or about December 11, 2025, Complaint No. 20250054 was brought by the Executive Director of the State Board against Mr. Preator. The complaint stemmed from allegations that Mr. Preator was using the digital stamp and signature of another professional engineer without their consent and continuing to offer and provide professional engineering services with an expired license.

12. On or about January 14, 2026, the evening before the hearing, Mr. Preator sent an email to Chris MacKenzie, Esq., acknowledging service and reading in whole as follows:

> "Mr. MacKenzie,
>
> I am no longer living or working in Nevada. I did receive the packet a few weeks ago when I was there picking up the last of our belongings, and was intent on being there for the Board Meeting.
>
> However, I have since started employment in South Carolina, and due to the newness of the employment, and the fact that I have no intention of returning to Nevada, it did not make sense for me to make the trip and risk losing this new job.
>
> My work here is not engineering related. Due to my age and health, I am moving to a less stressful work.
>
> I will follow up with you concerning what happens at the Board Meeting. I will endeavor to more routinely look at this email."

Findings of Fact

13. Mr. Preator's professional engineering license lapsed on January 1, 2024.

14. Mr. Preator failed to timely abide by the terms and conditions set forth in the 2021 Stipulated agreement resulting in the 2023 Decision and Order suspending his license until it lapsed.

15. Mr. Preator failed to abide by any of terms and conditions set forth in the 2024 Stipulated Agreement, and therefore he is still ineligible to apply for reinstatement or re-licensure.

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16. Mr. Preator was still offering and providing professional engineering services as recently as October 2025, despite having an expired license.

17. Mr. Preator used the digital stamp and signature of Rhonda Harrison-Cervantes, P.E., without her consent or knowledge, on at least two (2) projects submitted for Mr. Preator's company, Preator Consulting, LLC, with an additional nineteen (19) projects still being investigated by the State Board.

18. The State Board's previous disciplinary agreements with Mr. Preator and his repeated failure to comply with the stipulations contained therein are aggravating factors in the State Board's imposition of discipline in this matter.

Conclusions of Law

19. Mr. Preator was given due notice of the time and place for hearing this matter.

20. Mr. Preator's failure to abide by the terms of the 2024 Stipulated Agreement constitutes a failure to comply with an order issued by the State Board, a violation of NRS 625.410(8).

21. Mr. Preator's practice of offering and providing professional engineering services without a valid and current license is a violation of NRS 625.410(7) and NRS 625.520(1)(a)(1).

22. Mr. Preator's use of the digital stamp and signature of another professional engineer without consent and the submission of projects with the fraudulent stamp and signature on two confirmed occasions is a violation of NRS 625.520(1)(c) and NRS 625.520(1)(e) for each submission.

23. NRS 625.410(5) creates a basis for discipline to be administered by the State Board against Mr. Preator.

THEREFORE, ON MOTION DULY MADE, SECONDED AND ADOPTED, THE STATE BOARD ORDERED THAT:

1. The professional engineering license of LAZELL PREATOR, No. 014982, is hereby revoked for a period of ten (10) years in accordance with NRS 622A.410(1), effective January 15, 2026. Mr. Preator will not be eligible to apply for reinstatement until January 15, 2036.

2. Pursuant to NRS 625.590, Mr. Preator shall pay a fine in the amount of Fifteen Thousand and 0/100 Dollars ($15,000.00) for each of the two claims contained in Complaint No.

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20250054, totaling Thirty Thousand and 00/100 Dollars ($30,000.00). Mr. Preator shall pay the fine to the State Board within sixty (60) days.

3. Mr. Preator shall reimburse the State Board for investigative costs incurred in this matter in the amount of Nine Thousand One Hundred Seventeen and 50/100 Dollars ($9,117.50). Mr. Preator shall pay this reimbursement to the State Board within sixty (60) days.

4. Mr. Preator shall satisfy all outstanding obligations contained in his previous Stipulated Agreements with the State Board.

5. Mr. Preator shall pay all fines and reimbursements prior to applying for reinstatement of his license.

6. The imposition of this Decision and Order does not limit the powers of the State Board from imposing discipline upon Mr. Preator on matters independent of this action and/or not yet presented to the State Board.

DATED this 26th day of January, 2026.

STATE OF NEVADA BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

By: Leo B Wright 2026.01.26 09:47:02-08'00'
L. Brent Wright PE/SE,
Chairperson

4936-4688-5258, v. 1

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6. Public Comment

7. Adjournment