Adam Cuevas, EIT
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EDUCATION

Rowan University, The Henry M. Rowan College of Engineering — Glassboro, NJ
Bachelor of Science, Civil and Environmental Engineering — Expected May 2023
GPA: 3.489

Certifications & Awards: Dean's List Fall '19, '21, '22 & Spring '21, '22, Gold Certificate for Leadership Program, Accredited Bentley Microstation User, Erosion and Sediment Control Plan No. RPC023306, Nuclear Gauge Certified

WORK EXPERIENCE

Johnson Mirmiran & Thompson — Newark, DE
Highway Design Intern — May 2022 – August 2022

- Utilized Microstation, OpenRoads, ProjectWise, BlueBeam and SharePoint to assist in all phases of design for various DelDOT capital and internal JMT projects across northern Delaware
- Coordinated directly with team members across various departments to submit work for 5 different projects before deadlines
- Performed site visits to collect and confirm survey data such as curb measurements, signage and striping, underground utilities, and utility pole numbers

Specialized Engineering — Frederick, MD
Construction Materials Tester — May 2021 – July 2021

- Traveled to various construction site locations across Maryland, DC, and Virginia performing inspections of soil compaction, concrete sampling, and asphalt compaction
- Ensured construction conformed to specifications on plans following guidelines set by ACI and ASTM standards and submitted daily reports
- Tested cylinders, beams, asphalt, and soil in the laboratory and used a nuclear density gauge, T-probe, slump cone, and air content apparatus
- Communicated with site contractors, agency representatives, other technicians, and project managers

ENGINEERING PROJECTS

Washington State Bridge Design (Spring 2023)

- Calculated the straining actions/load demands on steel and concrete bridge superstructures and substructures
- Designed reinforced concrete beams, one-way slabs, and short columns, according to the provisions of AASHTO-LRFD Ninth Edition and Washington State specific provisions
- Utilized design and analysis software such as PGSuper and Bentley LEAP Bridge

3D Printed Bridge Design and Competition (Fall 2022)

- Designed a lightweight, durable, and structurally sound 3D printed bridge using SolidWorks following strict dimension constraints
- Researched and implemented various mechanical connections to withstand vertical loading
- Performed hand calculations such as shear, moment, deflection, and ultimate strength of the bridge

Design of Rowan University's Engineering Hall - Lead Geotechnical Engineer (Fall 2022)

- Reviewed geology, stratigraphy, and soil boring logs to develop a subsurface profile of site including historic fill thickness, depth to water, and average SPT N values for each stratum
- Analyzed shallow foundations and alternative foundation types listing advantages and disadvantages and cost of material per linear square foot
- Designed open steel pipe piles following FHWA guidelines to minimize settlement and maximize capacity

TECHNICAL SKILLS

Modeling and Analysis	AutoCAD, RAM Structural System, Excel, MathCAD, Matlab, Microstation
Software and Tools	Bluebeam, Projectwise, OpenRoads, OpenBridge Designer, Microsoft Teams