

# Elizabeth Kovalchick

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Miami, FL

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## Professional Summary

Results-driven Civil Engineer and Full-Stack Developer with a strong background in data collection, customer service and web development. Passionate about uncovering the 'why' behind challenges and the 'how' behind solutions. Proven ability to create accurate, user-friendly data collection platforms and data visualization tools. Committed to cultivating relationships, and problem solving. Eager to contribute multidisciplinary expertise to pioneering research initiatives in order to help find their best solutions.

## Education

Bachelors of Science in Civil Engineering, GPA:3.75, Cleveland State University, Graduation: Fall 2022  
Full Stack Development Coding Bootcamp Miami University: Currently Enrolled.

## Technical Skills

• Microsoft Office: Excel, Word, and PowerPoint	• API Server & Client Side
• AutoCAD: Civil 2D, Civil 3D	• SQL
• JavaScript E5 & E6, node.js	• MATLAB
• CSS, Bootstrap, HTML	• Strong communication skills

## Work Experience

Langan Engineering June 2021- August 2021 & September 2022- July 2023

### Site/Civil Engineer & Co-op

- Collaborate with multidisciplinary teams to develop project plans, specifications, and designs.
- Conduct site investigations, feasibility studies, and environmental impact assessments.
- Create detailed engineering drawings, blueprints, and construction documents.
- Monitor project progress and budget to ensure timely completion.
- Stay up-to-date with local, state, and federal regulations and codes related to civil engineering projects.
- Prepare and submit permit applications as required.
- Maintain clear and effective communication with clients to understand project requirements and objectives.
- Deliver engineering solutions that align with client expectations and goals.
- Utilize engineering software and tools to analyze data, perform simulations, and optimize designs.

K2M Design, Cleveland, OH

May 2022- September 2022

### Structural Engineer Co-op

- Assist in conducting structural analysis and calculations under the guidance of senior engineers.
- Use engineering software and tools to model and analyze structural systems.
- Perform load calculations and evaluate structural integrity.
- Collaborate with the design team to develop structural plans and drawings.
- Contribute to the creation of detailed design specifications and construction documents.
- Assist in the preparation of project reports, progress updates, and documentation.
- Actively seek opportunities to expand your knowledge of structural engineering principles and best practices.
- Strong analytical and problem-solving skills.
- Effective communication and teamwork abilities.

Shook Construction, Brecksville, OH

May 2020 – January 2021

### Project Management Co-op

- Assist the project management team in planning and executing construction projects.
- Participate in project meetings, site visits, and project documentation.
- Learn about and assist in implementing LEED requirements and sustainability goals on projects.
- Participated in project meetings and maintained communication with subcontractors.

- Support LEED documentation and certifications.
- Collaborate with LEED consultants to ensure compliance with LEED standards.
- Promote and support sustainable construction practices, such as energy-efficient design, waste reduction, and environmentally responsible materials sourcing.
- Contribute to project scheduling and timeline management.
- Monitor project progress and report any deviations from the schedule.
- Participate in quality control inspections and ensure adherence to project specifications.
- Collaborate with contractors to maintain quality standards.
- Maintain accurate project documentation, including contracts, drawings, and change orders.
- Generate regular project reports and updates.

Restaurant Industry

2015 – January 2023

**Server, Bartender & Busser**

- Provide exceptional customer service.
- Identify and capitalize on upselling opportunities during customer interactions.
- Present additional products or services that align with customers' needs and preferences.
- Address customer inquiries, concerns, and complaints professionally and empathetically.
- Build rapport with customers to create a positive interaction.
- Effectively communicate product information to customers.
- Investigate and resolve customer issues promptly and efficiently.
- Strong communication and interpersonal skills.
- Excellent problem-solving skills and a customer-centric approach.

**Awards and Certificates**

Dean's List: Fall 2017 - Fall 2022