

# EMILIO BENSON

## CIVIL ENGINEERING CO-OP

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### STRENGTHS

- Analytical Skills**  
Leveraged analytical capabilities during research to drive meaningful conversations, enhancing data interpretation accuracy.
- Collaboration**  
Worked closely with classmates on projects, consensus-building fostered dynamic teamwork and creative problem-solving.
- Attention to Detail**  
Developed thorough reports focused on specifics during capstone projects, earning praise for careful consideration and clarity.
- Problem Solving**  
Facilitated discussions aimed at overcoming engineering challenges, inspiring collaborative solution generation among peers.
- Time Management**  
Orchestrated project deadlines smoothly, managing competing priorities without compromising service quality.

### SKILLS

- AutoCAD    MATLAB
- Microsoft Office
- Geotechnical Analysis
- Quality Control Testing
- Project Management
- Construction Materials
- Environmental Engineering
- Laboratory Testing    Data Analysis
- Field Evaluations

### SUMMARY

Current Civil Engineering student eager to apply academic knowledge in real-world scenarios. Experience from internships and projects fosters confidence in field evaluations, materials assessment, and quality control testing. Demonstrated commitment to safety standards while collaborating with peers on innovative solutions. Enthusiastic about working on diverse construction projects, ready to contribute to team initiatives. Focused on maintaining project specifications and ensuring compliance through thorough assessments. Excited for opportunities that bridge theory and practice within the engineering industry.

### EDUCATION

#### Bachelor of Science in Civil Engineering

Indiana University    GPA: 3.8    2027    Bloomington, IN

**Coursework:** Geotechnical Engineering, Environmental Engineering, Materials Evaluation, Construction Management

### TECHNICAL SKILLS

- Design Software:** AutoCAD, Revit, SketchUp
- Statistical Software:** SPSS, R, SAS
- Analysis Techniques:** Geotechnical Analysis, Environmental Impact Assessments, Quality Assurance Processes
- Project Management Tools:** MS Project, Trello, Asana
- Testing Equipment:** Soil Testing Kits, Concrete Testing Machines, Asphalt Material Analyzers
- CAD Skills:** 2D Drafting, 3D Modeling, Technical Drawing
- Software Proficiency:** Microsoft Excel, Word, PowerPoint
- Communication Tools:** Slack, Microsoft Teams, Zoom
- Health & Safety Certifications:** OSHA Certification, First Aid Training, PPE Knowledge
- Sustainability Practices:** Environmental Engineering, Sustainable Design, Renewable Resources

### EXPERIENCE

#### Civil Engineering Capstone Developer

University Project    January 2026 - Present    Indianapolis, IN

- Focused on geotechnical analysis, evaluating urban soil stability, and ensuring compliance with engineering standards. Collaborates effectively with a team, applying theoretical principles to practical scenarios and enhancing workflow efficiency. Experience spans comprehensive testing and integrating sustainability into design solutions to meet community needs.
- Evaluated soil stability using rigorous testing methods, contributing valuable insights for urban development.
  - Conducted material tests on concrete and asphalt, aligning results with project specifications and safety standards.
  - Led sessions on sustainable pavement design, merging environmental considerations with engineering objectives.
  - Presented clear project findings to faculty and professionals, gaining recognition for insights and presentation style.
  - Utilized AutoCAD and MATLAB for detailed simulations, fostering skills applied in real engineering challenges.
  - Managed project timelines, effectively balancing milestones with academic expectations.

Research Assistant    1/2

## Compliance Standards

Communication Skills   Teamwork

Safety Protocols

## LANGUAGES

English   Native

Spanish   Intermediate

## MY CAREER



● Civil Engineering Capstone Developer at University Project (7 Months)

● Research Assistant at Academic Research (3 Months)

● Engineering Intern at Greenway Engineering Group (2 Months)

Academic Research 📅 September 2025 - December 2025 📍 Indianapolis, IN

Contributed significantly to research examining environmental impacts on construction materials, promoting advancements in resilient design approaches. Assured precision through rigorous data collection and facilitated continuous improvement discussions with faculty.

- Assist in laboratory and field testing to evaluate the effects of various environmental conditions on material performance.
- Utilized statistical software for data management, enhancing analytical knack crucial for informed decision-making.
- Promoted safety protocols during research activities, advocating for a culture of rigorous adherence among peers.
- Participated in regular progress meetings, sharing updates and challenges, contributing to ongoing collective learning.
- Presented at a university symposium, showcasing innovative research solutions recognized by faculty and peers alike.

## Engineering Intern

Greenway Engineering Group 📅 June 2025 - August 2025 📍 Fishers, IN

Supported project managers in timely material evaluation for diverse construction projects, building a strong understanding of commercial and residential standards. Engaged actively in quality assurance and documentation processes.

- Engaged in hands-on evaluations, reinforcing best practices in construction quality control and reporting.
- Assisted in preparing project documentation ensuring stringent compliance with specified guidelines.
- Gained practical insights through active participation in field assessments and quality control processes.
- Collaborated with seasoned engineers translating concepts into actionable initiatives within current projects.
- Actively took part in safety training workshops, facilitating a mindset poised toward safe execution in engineering environments.
- Established camaraderie among teams, aiding in communication flow helping elevate team dynamics.

## LEADERSHIP & AWARDS

- Dean's List, Indiana University - Fall 2025
- First Place, Engineering Design Competition - Spring 2025

## CERTIFICATIONS

- OSHA 10-Hour Construction Safety Certification 📅 2026
- Certified AutoCAD Associate 📅 2026

## PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, Indiana University - 2025-Present
- Volunteer, Habitat for Humanity, Indianapolis - 2025-Present

## ADDITIONAL INFORMATION

**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

AVAILABLE ON REQUEST