



Edwin Rice

Bridge Engineering Intern

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SUMMARY

Current Civil Engineering student at Indiana University – Purdue University Fort Wayne with relevant academic and hands-on project experience. Worked intensively on bridge design and structural analysis projects, employing AutoCAD and Microstation for development tasks. Skilled in preparing specifications, technical reports, and comprehensive analyses to ensure compliance with industry standards. Proficient communicator eager to contribute innovative problem-solving skills within a dynamic engineering team. Earned trust among peers and faculty by delivering engaging presentations that highlight successful design iterations and analytical methodologies.

EDUCATION

Bachelor of Science in Civil Engineering

Indiana University – Purdue University Fort Wayne 🎓 GPA: 3.8 📅 2026 📍 Fort Wayne, IN

Coursework: *Structural Design, Materials Science, Environmental Engineering, Technical Drawing*

TECHNICAL SKILLS

- **CAD Tools:** AutoCAD, Microstation, Revit
- **Analysis Software:** ANSYS, MATLAB, SAP2000
- **Office Applications:** Microsoft Word, Excel, PowerPoint
- **Collaboration Platforms:** Google Drive, Microsoft Teams, Slack
- **Presentation Software:** PowerPoint, Prezi, Canva
- **Programming Languages:** Python, MATLAB, R
- **Reporting Standards:** APWA, AASHTO, ISO
- **Project Management Tools:** Trello, Asana, JIRA
- **Environmental Standards:** LEED, ASTM, ACI
- **Sustainability Practices:** Green Building, Life Cycle Assessment, Materials Innovation

EXPERIENCE

Bridge Design Developer

University Project 📅 January 2026 - Present 📍 Fort Wayne, IN

Contributed to the development of a pedestrian bridge design, focusing on safety and aesthetic considerations while collaborating effectively with team members.

- Collaborated with classmates using AutoCAD and Microstation for drafting bridge designs.
- Performed structural calculations to verify compliance with local codes and standards.
- Compiling detailed engineering reports that summary findings and future recommendations.
- Engaged actively in peer reviews to evaluate design integrity and suggest changes.
- Presented project results to faculty, showcasing innovative approaches and analytics.
- Successfully managed timelines, ensuring milestones were met per academic requirements.

Structural Analysis Researcher

University Project 📅 September 2025 - December 2025 📍 Fort Wayne, IN

Investigation of environmental impacts on bridge durability through data-supported case studies under expert faculty supervision.

- Conducted thorough research into external factors affecting bridge performance and longevity.
- Analyzed existing structures applying simulation software for better insights into design flaws.
- Collaborated closely with a faculty member in drafting a paper for an engineering conference.
- Assisted in obtaining funding for sustainable material research within civil projects.
- Attended workshops aimed at enhancing both report writing and presentation capabilities.
- Participated in initiatives fostering civil engineering advocacy on campus.

STRENGTHS

- **Effective Communicator**
Enhanced teamwork with excellent verbal and written skills, especially during project discussions.
- **Creative Problem Solver**
Applied innovative thinking to derive solutions for structural design challenges in projects.
- **Research Enthusiast**
Spent time exploring bridge engineering principles, contributing fresh insights into course work.
- **Detail-Oriented**
Committed to producing high-quality work, always reviewing specifics in engineering outputs.
- **Team Collaborative Spirit**
Fostered a positive atmosphere where team collaboration facilitated successful outcomes.

SKILLS

Structural Analysis CAD Software

MS Office Suite

Technical Report Writing

Project Management

Team Collaboration

Bridge Engineering

Problem Solving Data Analysis

Communication Skills

Specification Development

Estimation Techniques

Environmental Engineering

Simulation Software

Design Standards

Compliance Knowledge

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Bridge Design Developer at University Project (7 Months)

● Structural Analysis Researcher at University Project (3 Months)

LEADERSHIP & AWARDS

- Dean's List, 2024-2026
- Winner, Annual Engineering Design Competition, 2025

CERTIFICATIONS

- Engineering in Training (EIT) Certification 📅 2026
- AutoCAD Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Club, 2024-Present
- Volunteer, Habitat for Humanity, 2025-Present

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST