Jayce Rowe

Entry Level Field Engineer

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STRENGTHS

Analytical Skills
Excelled in quantitative analysis and cost estimation during academic projects, helping peers understand essential calculations.

Team Collaboration
Developed strong teamwork capabilities while supporting project tasks across various groups, fostering an encouraging environment.

Effective Communication
Regularly produced documentation that improved stakeholder interaction and project clarity, becoming a valued resource.

Attention to Detail
Achieved precise measurements and analyses needed class projects, attracting recognition for accuracy from professors.

Safety Awareness
Actively promoted safety practices throughout university engagements, emphasizing importance and implementation of standards in all tasks.

SKILLS

Quantity Takeoffs

Technical Drafting

Safety Management

Project Planning

Civil Engineering Principles

Data Analysis Team Collaboration

Communication

SUMMARY

Driven engineering student with substantial hands-on experience in civil engineering. Successfully led projects focused on underground construction and safety practices. Expert in interpreting technical drawings and conducting quantity takeoffs while enhancing collaboration within teams. Proven capability in planning and executing complex tasks, achieving significant cost reductions through thorough analysis. Passionate about applying analytical skills to contribute valuable insights and solutions to engineering challenges. Committed to quality, efficiency, and advancing safety measures in project delivery.

EDUCATION

Bachelor's Degree in Civil Engineering

Springfield University GPA: 3.8 2026 Springfield, IL

Coursework: *Engineering Principles, Structural Analysis, Project Management, Safety Management*

TECHNICAL SKILLS

- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Design Software:** AutoCAD, Revit, SketchUp
- **Analysis Tools:** MATLAB, Excel, GeoStudio
- **Planning Software:** Primavera P6, MS Project, Bluebeam
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Surveying Equipment:** Total Station, GPS, Theodolite
- **Fabrication Techniques:** CNC Machining, Welding, Assembly Line Management
- **Data Modeling Software:** ArcGIS, Civil 3D, HEC-RAS
- **Field Equipment:** Excavators, Bulldozers, Compactors
- **Compliance Standards:** ANSI, ASTM, ISO 9001

EXPERIENCE

Civil Engineering Project Assistant

University Project January 2026 - Present Springfield, IL

Collaborative role within a civil engineering team developing key plans for a simulated underground construction effort focused on safety protocols. Tasks included material calculations, field layout support, and development of project documentation...

- Collaborated in formulating a work plan aimed at optimizing safety and efficiency for an underground project simulation.
- Assisted in quantity takeoffs and material assessments, effectively reducing estimated costs by facilitating data accuracy.
- Supported field surveys, ensuring accurate measurement of elevation and control points contributed to seamless project executions.
- Participated in drafting Job Hazard Analyses (JHAs), reinforcing project safety protocols among the team.
- Enhanced communication with stakeholders by developing comprehensive project documentation including daily reports.
- Engaged actively in safety meetings, promoting awareness and responsibility regarding construction safety practices.

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Civil Engineering Project Assistant at University Project (7 Months)
- Research Assistant at Academic Research (3 Months)

Research Assistant

Academic Research | September 2025 - December 2025 | Springfield, IL

Focused engaged research role examining geotechnical engineering principles, particularly focusing on soil stability. Responsibilities encompassed technical drafting and collaborating with faculty on publications...

- Conducted foundational research involving principles of geotechnical engineering related to underground water flow.
- Employed software for simulations detailing structural integrity impacting material behavior under varied conditions.
- Crafted presentations highlighting research findings, effectively showcasing them at academic gatherings.
- Worked with faculty to compile research results into a publishable paper, elevating academic standing.
- Demonstrated proficiency in technical drafting assisting with essential engineering calculations.
- Participated diligently in lab safety training, reinforcing a culture prioritizing safe research practices.

LEADERSHIP & AWARDS

- Dean's List, Springfield University, Fall 2024, Spring 2025
- Outstanding Student Award, Springfield University College of Engineering, 2026

CERTIFICATIONS

- OSHA 30-Hour Certification 2025
- First Aid & CPR Certification 2026

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers, Since 2025
- Volunteer, Habitat for Humanity, 2024

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST