

Ivan Lawson

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SUMMARY

Experienced Project Engineer passionate about instrumentation and monitoring systems within civil engineering. Over two years of hands-on experience deploying, installing, and servicing geotechnical devices in diverse settings. Leadership roles have honed cross-functional collaboration skills, establishing strong connections with team members and key stakeholders. Committed to executing projects efficiently while adhering strictly to industry safety protocols and quality standards. Quality control measures implemented ensured successful project deliverables and client satisfaction. Eager to contribute strategic insights and technical expertise at Innovative Engineering Solutions.

EXPERIENCE

Project Engineer Intern

University Project

June 2025 - August 2026

St. Paul, MN

In this university-based role, worked alongside experienced professionals in supporting the installation and maintenance of geotechnical instrumentation for various projects. Contributed significant fieldwork and data management, which was paramount for ensuring project compliance and operational efficiency.

- Installed and serviced geotechnical instruments, improving monitoring reliability and accuracy across multiple sites.
- Assisted in developing detailed monitoring plans tailored to specific requirements under guidance from project leads.
- Conducted ongoing maintenance checks on instrumentation, ensuring proper functionality and data accuracy.
- Participated in configuring customized data management systems, enabling effective tracking and reporting.
- Communicated regularly with clients and subcontractors to ensure seamless updates and feedback during installations.
- Documented observations from the field that significantly enhanced overall project insights.

Project Engineer

Innovative Engineering Solutions

June 2024 - May 2025

Minneapolis, MN

Engaged as a dedicated Project Engineer focusing on deployment of structural monitoring systems. Worked collaboratively to align project outcomes with client expectations while managing subcontractor communications and resources.

- Successfully installed structural monitoring instruments, enhancing project execution across multiple environments.
- Drafted and presented monitoring plans aligning with projected scopes that reflected stakeholder input.
- Assembled state-of-the-art Automatic Data Acquisition Systems (ADAS), streamlining real-time data analysis.
- Coordinated workflows between subcontractors and clients, ensuring quick resolution of technical challenges.
- Performed routine field assessments to document equipment status and remediate any emerging issues swiftly.
- Advanced team knowledge through health and safety training workshops, reinforcing compliance culture.

LEADERSHIP & AWARDS

- Dean's List, University of Minnesota (2024)
- Dean's List, University of Minnesota (2025)

EDUCATION

Bachelor's Degree in Civil Engineering

University of Minnesota GPA: 3.8

2026

Minneapolis, MN

Coursework: Structural Engineering, Geotechnical Engineering, Environmental Engineering, Engineering Ethics

CERTIFICATIONS

- Engineer-in-Training (EIT) 📅 2027
- Occupational Safety Certification 📅 2026

TECHNICAL SKILLS

- Instrumentation Tools:** Total Stations, Inclinometers, Piezometers
- Software Systems:** Microsoft Excel, AutoCAD, MS Word
- Data Analysis Tools:** MATLAB, SQL, GIS
- Project Management Tools:** Trello, JIRA, Asana
- Reporting Software:** Tableau, Power BI, SAP
- Quality Assurance Methods:** Six Sigma, Lean, Kaizen

- **Engineering Standards:** AASHTO, ASTM, ISO
- **Client Engagement Platforms:** Salesforce, HubSpot, Freshdesk
- **Health & Safety Certifications:** OSHA, NIOSH, CPR
- **Networking Tools:** VPN, Cloud Networking, TCP/IP

SKILLS

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|----------------------------|------------------------|--------------------------|----------------------------|
| • Instrumentation Systems | • Team Collaboration | • Automatic Data Systems | • Project Documentation |
| • Data Management Software | • Quality Control | • Safety Protocols | • Vibration Monitoring |
| • MS Office Suite | • Client Communication | • Maintenance Procedures | • Environmental Compliance |
| • Technical Support | • Field Assessments | • Monitoring Equipment | • Datalogging Equipment |

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, University of Minnesota
- Participant, Engineering Hackathon 2025

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST