

Brianna Kramer

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SUMMARY

Enthusiastic Geotechnical Engineer equipped with practical knowledge from academic studies and projects in civil engineering, specializing in geotechnical matters. Skilled in conducting soil investigations, implementing geotechnical modeling software, and carrying out testing to support robust field analysis. Committed to teamwork while achieving project objectives, problem-solving efficiently, and maintaining clear communication for client satisfaction. Proven to complete assignments with a focus on high standards of safety and accuracy. Aligned with innovative practices that advance engineering solutions and enhance service quality.

EDUCATION

Bachelor's Degree in Civil Engineering

2026

University of Arkansas GPA: 3.8

Little Rock, AR

Coursework: Soil Mechanics, Structural Analysis, Fluid Mechanics, Foundation Design

TECHNICAL SKILLS

- **Geotechnical Software:** Geostudio, LPile, BoreDM, FLAC, gINT
- **Testing Methodologies:** Cone Penetrometer Testing, Soil Sampling, Rock Drilling
- **Reporting Tools:** MS Word, MS Excel, PowerPoint
- **Project Management Techniques:** Agile, Waterfall, Scrum
- **Safety Standards:** OSHA Regulations, ISA Standards, ACI Codes
- **Design Principles:** Deep Foundations, Slope Stabilization, Earth Retention Structures
- **Site Investigation Tools:** Surveying Equipment, GPS, Leveling Instruments
- **Analytical Methods:** Finite Element Analysis, Numerical Modelling, Risk Assessment
- **Field Instrumentation:** Strain Gauges, Piezometers, Inclinometers
- **Client Communication:** Interpersonal Skills, Presentation Skills, Documentation Skills

SKILLS

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|-------------------------|------------------------|-------------------------|----------------------------|
| • Geotechnical Modeling | • Geostudio | • Communication | • Instrumentation Setup |
| • Soil Testing | • LPile | • Collaboration | • Cost Estimation |
| • Project Management | • Field Investigations | • Regulatory Compliance | • Design Specifications |
| • Technical Writing | • Data Interpretation | • Material Testing | • Slope Stability Analysis |

EXPERIENCE

Geotechnical Engineering Intern

June 2025 - Present

University Research Lab

Little Rock, AR

Contributed key initiatives within the geotechnical engineering team focused on research and fieldwork requirements. Supported various projects aimed at delivering insightful geological assessments through skilled data collection and analysis.

- Conducted thorough soil and rock investigations utilizing drilling and cone penetrometer testing to gather essential data.
- Assisted in preparing detailed project plans and technical reports, which supported successful presentation outcomes.
- Performed in-laboratory material testing to inform design outputs related to slope stability and foundational integrity.
- Provided comprehensive field support during investigations, ensuring rigorous compliance with safety regulations.
- Collaborated closely in cross-functional teams, emphasizing client-service principles to uplift project deliverables.
- Utilized advanced geotechnical software such as Geostudio and LPile for critical analysis and milestone achievement.

Research Assistant

September 2024 - May 2025

Academic Research

Little Rock, AR

Supported institutional research efforts, focusing on advanced soil mechanics relevant to geotechnical applications. Played a key role in fostering a collaborative environment to drive meaningful insights from geotechnical investigations.

- Assisted with an investigative project concerning dam engineering, which involved collecting and analyzing literature aligned with experimental protocols.

- Oversaw instrument installations designed for monitoring soil behavior during hands-on experiments, fostering insights into performance metrics.
- Actively participated in team discussions regarding project status, ideas, and dissemination of findings for higher quality research.
- Created effective presentation materials capturing research summaries for academic gatherings and enhancing community engagement.
- Engaged with external networks to acquire feedback, aligning project goals with industry best practices.
- Helped develop a comprehensive report integrating methodologies, documented findings, and proposed follow-up recommendations.

LEADERSHIP & AWARDS

- Dean's List, University of Arkansas (2024, 2025)
- First Place, Annual Engineering Design Competition (2025)

CERTIFICATIONS

- Geotechnical Engineering Fundamentals Certificate 📅 2026
- OSHA 10-Hour Safety Training 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, ASCE Student Chapter (2025 - Present)
- Volunteer, Habitat for Humanity (2024 - Present)

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST