



Christian Armstrong

Geology Intern

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SUMMARY

Current geology student with diverse experience in geological fieldwork and analytical data assessment gained through academic projects. Collaborated effectively with peers to develop sophisticated drilling programs, showcasing project planning and cost estimation skills. Proficient in utilizing ArcGIS and mining software for technical documentation and mine planning tasks. Committed to supporting health and safety initiatives across all activities. Eager to contribute fresh perspectives to Heidelberg Materials US, Inc.'s ongoing projects while expanding knowledge in significant geological studies.

EDUCATION

Bachelor of Science in Geology

University of Texas at Dallas 🎓 GPA: 3.8 📅 2027 📍 Dallas, TX

Coursework: Mineralogy, Petrology, Geological Mapping, Resource Management

TECHNICAL SKILLS

- **Geological Software:** ArcGIS, AutoCAD, mining software
- **Data Analysis Tools:** Excel, Python, R
- **Project Management Methods:** Agile, Waterfall, Scrum
- **Fieldwork Techniques:** Sampling, Core Logging, Geological Assessments
- **Communication Platforms:** Microsoft Teams, Slack, Zoom
- **Documentation Standards:** Scientific Writing, Technical Reports, Market Research
- **Team Collaboration Tools:** Google Workspace, Confluence, JIRA
- **Health & Safety Regulations:** OSHA Guidelines, Risk Management Docs, Safety Training
- **Presentation Tools:** PowerPoint, Canva, Visio
- **Research Methodologies:** Field Studies, Case Studies, Literature Reviews

EXPERIENCE

Geological Research Collaborator

University Project 📅 January 2026 - Present 📍 Dallas, TX

Play a key role in a university-led geological simulation project, enhancing operational knowledge related to mining processes and resource management. Engage insights with a collaborative atmosphere, focusing on drilling operations and implementing strategic assessments for resource evaluation.

- Collaborated with teams crafting drilling programs for a simulated mining operation.
- Conducted reserve calculations and pit evaluations enhancing project efficiency.
- Produced technical maps using ArcGIS supporting project documentation efforts.
- Participated in field activities gathering geological samples while following safety guidelines.
- Analyzed geological data in team settings, informing project reports and strategies.
- Contributed to health and safety protocols adopting best practices based on observations.

Capstone Project Developer

University Project 📅 September 2025 - December 2025 📍 Dallas, TX

Lead a capstone project centering on mineral estimation techniques, applying classroom skills to real-world scenarios through comprehensive research and peer collaboration. Focus on resource assessment methods commonly used within the industry, enhancing practical understanding.

- Developed an extensive geological study analyzing mineral deposits and relevant resources.
- Created professional technical documentation presenting findings to faculty and students.
- Conducted field studies collecting geological data reflecting thorough observational & analysis skills.
- Employed AutoCAD meticulously to draft operational drawings useful for mining analyses.

STRENGTHS

- 👥 **Effective Collaboration**
Consistently contributed to group projects by fostering a positive team environment where ideas thrive.
- 🔍 **Analytical Skills**
Identified trends in geological data allowing for improved decision-making and strategy alignment.
- 📄 **Technical Writing**
Crafted clear technical documents leading to enhanced communication of complex geologic concepts to peers.
- 🗂️ **Data Management**
Structured data collection methods that significantly improved the accuracy and cleanliness of geological datasets.
- 🛡️ **Safety Awareness**
Actively promoted safe practices during fieldwork which positively influenced team habits and compliance with guidelines.

SKILLS

ArcGIS AutoCAD
geological fieldwork data analysis
technical documentation
project management
cost estimation
resource evaluation
drilling programs
team collaboration

communication critical thinking

safety protocols sample collection

presentation skills

analytical methods

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Geological Research
Collaborator at University Project
(7 Months)

● Capstone Project Developer
at University Project (3 Months)

● Research Assistant at
Academic Research (4 Months)

- Maintained regular consultations with mentor aligning project goals with educational benchmarks.
- Engaged in thorough feedback discussions elevating project quality via constructive assessments.

Research Assistant

Academic Research 📅 January 2025 - May 2025 📍 Dallas, TX

Contributed as a research assistant in geoscience studies, delving into mineral assets and effective data implementation methodologies. Developed capability in teamwork, applied focus on rigorous examinations of geological model viability.

- Assisted in projects dissecting geological formations, significantly amplifying analytical insight.
- Collaborated within a researcher team evaluating different geological hypotheses.
- Simulated drilling frameworks using specialized software models assessing outcomes and offers guidance when needed.
- Facilitated productive dialogues during updates aiming for continuous improvement.
- Presented comprehensive project findings successfully increasing interest in departmental investigations.
- Enhanced written communication capabilities drafting detailed reports steering organization towards excellence.

LEADERSHIP & AWARDS

- Dean's List, 2025
- Geology Department Scholarship, 2025

CERTIFICATIONS

- ArcGIS Certification 📅 2026
- AutoCAD Fundamentals Certificate 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, 2024 – Present
- Volunteer, Earth Day Clean-Up Initiative, 2025

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST