

Orion Knight

Geologist I

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SUMMARY

Driven Geology graduate eager to contribute hands-on knowledge of geological methods and safety protocols. Recent internships in geological research fostered expertise in geochemical analysis, core processing, and field logistics. Proficient using ArcGIS for mapping and data interpretation enhances my ability to deliver comprehensive support on projects. Collaborative by nature, effectively communicated results and participated actively in academic symposiums. Ready to leverage analytical skills and commitment to quality assurance to contribute to innovative geology-related projects at Dahrouge Geological Consulting.

EDUCATION

Bachelor's Degree in Geology

University of Colorado 🎓 GPA: 3.8 📅 2026 📍 Boulder, CO

Coursework: Geological Mapping, Data Analysis, Environmental Science, Field Work Techniques

TECHNICAL SKILLS

- **Geological Software:** ArcGIS, 3D modeling, statistical applications
- **Fieldwork Protocols:** Safety assessments, site setup, accident prevention
- **Data Management:** Compilation, reporting, archiving
- **Analytical Skills:** Geochemical analysis, data interpretation, statistical measurement
- **Mapping Tools:** Geo-tools, GPS technology, geological mapping techniques
- **Testing Methods:** Field sampling, core sampling, property testing
- **Communication Tools:** Presentation software, collaboration platforms, graphical interpretation
- **Research Methodologies:** Surveying, sampling strategies, experimental design
- **Quality Assurance:** Data validation, report metrics, compliance checks
- **Project management:** Logistical planning, resource allocation, teamwork coordination

SKILLS

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|-----------------------|-----------------------|-----------------------------|----------------------------|
| • ArcGIS | • Safety Protocols | • Mapping Techniques | • Statistical Applications |
| • Data Analysis | • Report Writing | • Logistical Coordination | • Risk Assessment |
| • Core Processing | • Team Collaboration | • Geological Interpretation | • Environmental Standards |
| • Geochemical Surveys | • Field Documentation | • Photography | |

EXPERIENCE

Geology Intern

University Research Lab 📅 June 2025 - August 2025 📍 Boulder, CO

Supported the Geology Research Lab by conducting geochemical analyses, enhancing understanding of mineral contents and geological characteristics. Engaged in core logging including photography and gravity measurements while ensuring compliance with safety standards during fieldwork. Collaborated effectively with team members for geological mapping projects, contributing directly to accurate data collection.

- Conducted detailed geochemical analysis on rock samples, improving database integrity.
- Assisted in executing field surveys, strictly adhering to established safety protocols.
- Collaborated on geological mapping initiatives, compiling and analyzing significant data.
- Performed core logging tasks, managing sample documentation and essential metrics.
- Contributed suggestions during daily safety meetings, positively influencing safety practices.
- Presented findings clearly, gaining recognition from faculty and peers.

Project Developer

Academic Research Project 📅 January 2026 - May 2026 📍 Fort Collins, CO

Led a dynamic team through a comprehensive capstone project, concentrating on regional geological mapping. Expertly employed ArcGIS for data visualization, which elevated the overall project quality. Coordinated all logistical aspects of fieldwork, maintaining strict alignment with safety standards, resulting in robust analyses.

- Directed project logistics, facilitating successful execution of field methodologies.
- Utilized ArcGIS for enhanced data visualization, leading to improved outcomes.
- Engaged extensively with faculty advisors to refine research methodologies.

- Spearheaded thorough data compilation, contributing significantly to effective report writing.
- Demonstrated findings at university symposium, encouraging impactful discourse among researchers.
- Cultivated a collaborative atmosphere within the team, promoting productive brainstorming sessions.

LEADERSHIP & AWARDS

- Dean's List, University of Colorado, 2024-2026
- Best Presentation Award, Geology Symposium, 2026

CERTIFICATIONS

- Standard First Aid and CPR Level C  2025

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, University of Colorado
- Volunteer, Community Clean-Up Program, Denver, CO

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST