

Andres Contreras

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SUMMARY

Enthusiastic Mine Geologist with over two years in open-pit mining. Success in integrating geologic and blasthole data for grade control, yielding efficient operations. Committed to safety and optimized planning, demonstrating deep collaboration with engineering teams. Experienced in field mapping, statistical analysis, and developing geological presentations. Proficient in software like MineSight and Leapfrog to ensure compliance with industry standards. Excited about leveraging expertise to enhance operations and environmental stewardship at a forward-thinking company.

EXPERIENCE

Geological Research Assistant January 2025 - Present
University Research Lab Anchorage, AK

- Assist in critical geological research contributing to the understanding of local mineral resources. Responsible for performing field mapping and coordinating a QA/QC program for accuracy in sampling procedures.
- Conducted geological formations mapping, enhancing comprehension of resource distribution.
 - Developed quality assurance protocols that improved assay result reliability.
 - Collaborated effectively with interdisciplinary teams to create informative geologic maps.
 - Analyzed rock quality traits influencing geological stability for future projects.
 - Maintained comprehensive records aiding ongoing academic endeavors.
 - Participated in rigorous safety training, fostering adherence to environmental standards.

Mine Geologist Intern June 2024 - December 2024
Fictional Mining Company Fairbanks, AK

- Engaged as an intern focusing on integrating geologic data into operational processes. Contributed actively to field mapping efforts and worked closely alongside experienced geologists in improving grade control practices.
- Supported senior professionals in key geologic data integration tasks for accurate mine operation decisions.
 - Assisted in detailed mapping of highwall exposures and blast hole patterns crucial for mine planning.
 - Monitored assay results and initiated revisions to sampling methods ensuring best practices.
 - Contributed to presentations showcasing key geological insights to management teams.
 - Worked closely with engineering groups to balance ore releases against existing operational plans.
 - Diligently followed safety regulations, identifying potential hazards to maintain compliance during activities.

LEADERSHIP & AWARDS

- Dean's List, University of Alaska Anchorage, 2024
- Best Presentation Award, Geological Society Annual Conference, 2025

EDUCATION

Bachelor's Degree in Geology 2026
University of Alaska Anchorage GPA: 3.8 Anchorage, AK
Coursework: Mineralogy, Petrology, Structural Geology, Environmental Geology

CERTIFICATIONS

- OSHA Safety Certification 2025
- First Aid and CPR Certification 2025

TECHNICAL SKILLS

- Geological Software:** MineSight, Leapfrog, Ore Pro 3D, Vulcan
- Data Analysis Tools:** Excel, ArcGIS, Statistical Software
- Sampling Methodologies:** QA/QC Programs, Blast Hole Sampling, Field Surveys
- Mapping Techniques:** Geologic Mapping, Alteration Mapping, Structural Mapping
- Safety Protocols:** OSHA Standards, Emergency Response, Risk Assessments
- Project Management Tools:** Trello, Asana, Microsoft Project

- **Communication Skills:** Technical Writing, Presentation Development, Stakeholder Engagement
- **Resolver Models:** Reserve Modelling, Resource Estimation, Grade Control Techniques
- **Geological Compliance:** Environmental Policies, State & Federal Regulations, Safety Compliance
- **Field Equipment:** GPS Systems, Core Sampling Tools, Mapping Instruments

SKILLS

- Geological Mapping
- Leapfrog
- Blast Hole Assaying
- Technical Communication
- Grade Control
- Excel
- Geochemical Data
- Resource Assessment
- Data Analysis
- Safety Compliance
- Surveying Methods
- Field Sampling
- MineSight
- Team Collaboration
- Geologic Reporting
- Environmental Regulations

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, University of Alaska Anchorage
- Volunteer, Local Environmental Cleanup Initiatives

LANGUAGES

- English (Native)
- Spanish (Beginner)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST