

Zayd Willis

Geology Technician

📞 (702) 555-1234 ✉️ zayd.willis@email.com 🔗 linkedin.com/in/zayd-willis 📍 Las Vegas, NV 89101

SUMMARY

Detail-oriented Geology Technician with hands-on experience in geological data collection, sampling, and ore control practices. Proven ability to support mining operations through effective communication and collaboration with cross-functional teams. Skilled in maintaining high standards of quality assurance and quality control (QA/QC) protocols, ensuring accurate geological documentation, and maximizing ore recovery. Strong organizational skills combined with a solid foundation in geology and mining methodologies. Eager to contribute expertise and passion for the field to a dedicated team focused on successful mining operations.

EXPERIENCE

Geology Technician

University Research Lab 📅 June 2024 - Present 📍 Reno, NV

Contributed to geological research and implementation of field studies. Supported teaching activities related to ore control and geological mapping. Acted as a field representative, collecting and documenting important geological data under diverse conditions. Established effective working relationships with professors, students, and external partners.

- Collaborate with professors to conduct field studies focused on ore control.
- Collect and analyze geological samples, enforcing adherence to QA/QC practices.
- Maintain detailed records for sample preparation and analytical results within databases.
- Assist in developing presentations for academic conferences related to findings.
- Implement safety procedures while working in mining areas, adhering to regulations.
- Support drilling programs with meticulous management and logging of samples.

Capstone Project Developer

University of Nevada 📅 August 2023 - May 2024 📍 Reno, NV

Directed a student team in examining innovative ore recovery methods integrating drone technology. Ensured project success through rigorous evaluation of multiple techniques. Engaged university faculty and local industry for impactful feedback and partnership opportunities.

- Conduct extensive literature reviews on mining practices for comprehensive reports.
- Develop prototype systems for monitoring geological changes during mining operations.
- Present findings to faculty and industry professionals, gaining valuable insights.
- Coordinate with mining companies for validation and analysis of collected data.
- Oversee project timelines, method execution, and deliverable expectations.
- Ensure standards were met while engaging stakeholders throughout the project lifecycle.

Student Lab Assistant

University of Nevada 📅 September 2022 - May 2023 📍 Reno, NV

Assisted in laboratory experiments, supporting educational growth among peers. Maintained equipment integrity while upholding safety dimensions critical in academic settings. Collaborated in departmental initiatives aimed at fostering greater student engagement in geology.

- Prepare and execute laboratory experiments concerning geology and earth sciences.
- Document experimental outcomes contributing towards research publications.
- Engage with students, enhancing their experiences through supportive guidance.
- Participate in meetings for discussing ongoing research and future collaborations.
- Contribute to new laboratory exercises designed to solidify student comprehension.

LEADERSHIP & AWARDS

- Dean's List, University of Nevada, 2024-2026
- First Place, School of Mines Hackathon, 2025

EDUCATION

Associate Degree in Geology

University of Nevada 🎓 GPA: 3.8 📅 2026 📍 Reno, NV

Coursework: Geological Data Analysis, Mining Practices, Environmental Regulations, Ore Control Techniques

CERTIFICATIONS

- Certified Geological Technician (CGT) 📅 2026

- Microsoft Office Specialist 📅 2025

TECHNICAL SKILLS

- **Geological Software:** ArcGIS, AutoCAD, Leapfrog
- **Data Management Tools:** Microsoft Excel, Access, SQL Server
- **Survey Equipment:** GPS Devices, Total Stations, Drones
- **Communication Tools:** Slack, Microsoft Teams, Email
- **Scientific Methods:** Sampling, Testing, Quality Assurance
- **Research Methodologies:** Literature Review, Field Studies, Surveys
- **Reporting Tools:** Microsoft PowerPoint, SharePoint, Google Slides
- **Laboratory Equipment:** Spectrometers, Microscopes, Centrifuges
- **Environmental Tools:** Soil Test Kits, Water Sampling Equipment, Analytical HPLC
- **Regulatory Knowledge:** Environmental Regulations, Mining Policies, Safety Standards

SKILLS

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|------------------------------|-----------------------|----------------------------|-----------------------|
| • Geological Data Collection | • GPS Technology | • Mining Software | • Team Collaboration |
| • QA/QC Practices | • Sampling Techniques | • Statistical Analysis | • Project Management |
| • Microsoft Office Suite | • Data Analytics | • Environmental Compliance | • Safety Protocols |
| • Geological Databases | • Field Reporting | • Technical Writing | • Presentation Skills |

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, University of Nevada
- Volunteer, Local Environmental Conservation Group

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST