

# Alexander Weaver

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🌐 GoldenOrbWeaver

## Education

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- University of Nevada, Reno** August 2019 - May 2026  
*Dual enrollment*  
Selected coursework: Differential Equations., Linear Algebra, Partial Differential Equations, Classical Mechanics, Organic Chemistry I.
- Davidson Academy of Nevada** August 2022 - May 2026  
Activities: Science Bowl (President), Environmental Club (President), and Science Olympiad (Student Leader).

## Experience

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### Research

- Microbeam Lab @ University of Nevada, Reno**, Research Assistant June 2024 - October 2024  
Consolidated and analyzed past EPMA data to determine how peak wavelength of elements varies by mineral in order to improve accuracy of geochemical analysis.

### Volunteering

- United States Earth Science Organization**, Test Writer October 2025 - Present  
Writing for 2026 open and camp exams.
- United States Earth Science Organization**, Counselor May 2025 - July 2025  
Helped plan Leadership in Earth and Environmental Sciences program, delivered lecture on connecting research and policy, led activities, and mentored students.

### Other

- Davidson Academy of Nevada**, Teacher Assistant August 2022 - Present  
Served as student aide for physics (2022-2023, 2025-2026) and Chinese (2024-2025) classes. Graded assignments, answered student questions, and assisted in leading class.

## Honors and Awards

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- International Earth Science Olympiad Gold Medals** August 2025  
Earned gold medals (top 10%) for individual tests and team field investigation. Placed 5th overall.
- National Science Bowl Top 8 Team** April 2025  
Captain and earth science specialist. Team also placed top 8 at MIT and Stanford tournaments.
- North American Computational Linguistics Olympiad Invitational Qualifier** February 2022, 2023  
Placed in top 14.5 % on open round to qualify. Scored 58th out of 1528 nationally on open round in 2023.
- National Merit Semifinalist** September 2025

## Technologies

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**Languages:** Python,  $\text{\LaTeX}$   
**Libraries:** NumPy, Pandas, Matplotlib