# Alexander Weaver

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 GoldenOrbWeaver

## Education

**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

### 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

**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, astronomy, and physics specialist. Team also won Berkeley Science Bowl and placed in 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

**Languages**: Python, LaTeX
**Libraries**: NumPy, Pandas, MatPlotLib