

Alexander Weaver

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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 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

Languages: Python, L^AT_EX

Libraries: NumPy, Pandas, Matplotlib