

Daniel Vega

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EDUCATION

Bachelor of Science in Geology | GPA: 3.7/4.0

Graduated August 2023

Idaho State University | College of Science and Engineering

- **Relevant Coursework:** Geologic Field Methods, Geomorphology, Mineralogy, Petrology, Sedimentation and Stratigraphy, Structural Geology, Ore Deposits, Advanced GIS, Hydrogeology

Master of Science in Geology | GPA: 3.7/4.0

Expected Graduation May 2025

Idaho State University | College of Science and Engineering

- **Relevant Coursework:** Advanced Geology, Volcanology, Orogenic Belts, Stable Isotopes, Geology of North America, Geochronology and Thermochronology, Advanced Structural Geology

EXPERIENCE

Graduate Student/Teaching Assistant

August 2023 – Present

Idaho State University | Ryan Anderson, PhD | Pocatello, Idaho

- Working as a teaching assistant for various classes by grading assignments, leading and managing labs, holding office hours, and preparing teaching materials.
- Taught labs in the following courses: Field Methods, Principles of GIS, and Structural Geology.

Student Intern

July 2023 - August 2023

Idaho Geological Survey | Scott Gifford, MS Geology | Soda Springs, Idaho

- Collaborated in a project with IGS investigating rare earth element resource potential in the Permian Phosphoria Formation by collecting geochemical data.
- Assisted in measuring and describing vertical sections while collecting samples for geochemical analysis.

Research Field Assistant

July 2022 - August 2022

Idaho State University | Matthew Ruggiero, MS Geology | Pocatello, Idaho

- Spent multiple weeks collaborating with a graduate student, assisting in field work for their thesis.
- Assisted in geologic field mapping by collecting and analyzing measurements of attitudes and structures, understanding stratigraphic relationships, identifying formations, and creating detailed field maps.

Research Field Assistant

July 2022

Idaho State University | David M. Pearson, PhD | Dillon, Montana

- Assisted in geologic field mapping of the Ruby Range east of Dillon, Montana.
- Spent a week collecting and analyzing data on the structural features and stratigraphic relationships to better understand the tectonic deformation of the area.

Research Field Assistant

June 2022

Idaho State University | Jon Lever, MS Geology | Challis, Idaho

- Assisted in accurately measuring sections of Proterozoic strata in east-central Idaho using a Jacob's staff.
- Spent a week collaborating with a team describing and distinguishing sedimentary beds in order to create detailed stratigraphic columns and maps.

Career Path Intern

October 2021

Idaho State University | Benjamin Crosby, PhD | St. Anthony, Idaho

- Assisted in field work collecting LiDAR data of sand dunes using a drone and GIS as part of a research project.
- Planned and executed flights to capture high-resolution LiDAR data, processed and analyzed the data using GIS software, and created 3D models of the dunes in order to monitor their morphology.

Career Path Intern

Sept 2021 – November 2021

Idaho State University | Paul K. Link, PhD | Pocatello, Idaho

- Worked in a mineral separation lab to collect detrital zircons from sediment samples for geochemical analysis.
- Utilized standard mineral separation techniques and equipment.
- Collaborated with a team to ensure accuracy and efficiency of processing samples.

Research Field Assistant**July 2021 - August 2021****Idaho State University | Josh Lingbloom | Grand Teton National Park, Wyoming**

- Assisted in field work mapping and classifying landslides within the boundaries of Grand Teton National Park to create a landslide inventory map.
- Utilized LiDAR data and 3D models to help identify mass movements and classify them based on field observations.

Student Groundskeeper**August 2020 - July 2021****Idaho State University | Pocatello, Idaho**

- Worked as part of a team performing a range of landscaping and maintenance duties to ensure the campus grounds were well-maintained.

Office Manager**Sept 2018 – August 2020****MagBay Lures | Salt Lake City, UT**

- Worked as an office manager for a small fishing lure company, responsible for a wide range of tasks including creating new products, packing and shipping orders, answering calls and emails from customers, ordering supplies for the warehouse, and training new employees.

SKILLS

Adobe Illustrator | ArcGIS | MATLAB | Microsoft Office Excel | Fluent Spanish | Field Mapping | Mineral Separation |

LEADERSHIP EXPERIENCE/ VOLUNTEER WORK

GeoClub Graduate Vice President at Idaho State University**August 2024 – Present**

- Duties include applying for funding opportunities for the club, acting as a representative of the graduate students, and aiding in introducing research assistant opportunities to the club members.

GeoClub Secretary at Idaho State University**Aug 2022 – May 2023**

- As secretary of the GeoClub I kept records of meeting notes and agendas, a roster of all GeoClub members, and distribution of emails to/from GeoClub.
- As part of the team of officers, we were recognized as student organization of the year for 2022-23.

Guest speaking at local middle school**September 2022**

- As part of a team, we adopted a local middle school class learning about geology for a few weeks.
- Conducted workshops on mineral identification, carried out experiments, and played games to increase interest and excitement for the physical sciences.