

Adrianna Martinez

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Education

University of California Santa Barbara Santa Barbara, CA
B.S. Environmental Studies (Major) and **Earth Science** (Minor)

GPA: 3.8 **Graduation Year:** 2026

Relevant Awards: Regent Scholar, Dean's Scholar, Promise Scholar

Relevant Coursework: Field Geology Methods (geologic mapping, QGIS integration, spatial modeling), Soil Science (soil classification, survey methods), Groundwater Analysis, GIS (watershed delineation, spatial analysis), Geomaterials (mineral/rock ID, thin sections), Restoration Skills (restoration strategy, site planning, plant ID, wildlife monitoring)

Projects

Contamination of Domestic Wells in California – UCSB GIS Project (2025)

- Designed a GIS project analyzing groundwater quality in domestic wells in relation to proximity and scale of agricultural and ranching operations in California
- Downloaded and processed USGS groundwater contaminant data in respects to EPA contaminant standards, integrating groundwater basin boundaries, land use mapping, and pesticide use data
- Produced maps identifying contaminants in groundwater basins and ran a linear regression analysis to capture both scale and potential sources of contamination

Erosion, Soils, and Adaptations: Plant Life in Bryce Canyon National Park– UCSB Soil Science Project (2024)

- Investigated soil-forming processes (erosion, deposition, parent material) influencing plant adaptation at Bryce Canyon National Park
- Compiled and analyzed Web Soil Survey and SoilWeb data, classifying soils by type and correlating with vegetation patterns
- Assessed soil-plant interactions under changing climate conditions (reduced snowfall, drought stress), producing maps linking soil properties to plant adaptations
- Delivered findings through a video presentation and technical report

Experience

Channelkeeper MPA Watch Intern

Goleta/Santa Barbara, CA
January 2025 – July 2025

- Conducted systematic coastal field surveys documenting human activities in Marine Protected Areas.
- Logged, validated, and reviewed survey data to ensure accuracy and consistency for long-term monitoring.
- Trained and supported volunteers during surveys, demonstrating leadership and collaboration.

The Honor Bar Server

Montecito, CA
June 2025 – Present

- Delivered highly personalized service in a detail-oriented environment with high performance expectations
- Collaborated closely with team members to maintain consistent communication and seamless technique

Bowlero Server

Goleta, CA
Nov 2023 – June 2025

- Managed up to 12-24 lanes simultaneously while maintaining highest sales among all staff
- Coordinated multiple events, showcasing organization, adaptability, and teamwork across all roles

Skills

- **Geospatial and Data Analysis:** ArcGIS Pro, QGIS, watershed delineation, spatial modeling, geologic mapping, Web Soil Survey, SoilWeb
- **Technical Tools:** RStudio; Quarto (data visualization and website development), Microsoft Word and Excel
- **Field and Lab Skills:** Rock/mineral ID, soil classification, stratigraphic logging, and field mapping

