

Alexa Andrade

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EDUCATION

University of California, Santa Barbara

Santa

Barbara, CA

Environmental Studies B.S, Dean's List, **GPA: 3.76**

Sept 2021 - Present

PROFESSIONAL EXPERIENCE

Landscapes of Change Lab

Field Assistant

- Researched white pine blister rust disease spread among sugar pines in Yosemite National Park
- Collected tree height, diameter at breast height, slope of terrain, and tree cores from infected and uninfected sugar pines from different study sites for a period of two weeks in September 2024.

TECHNICAL SKILLS

- Geographical Information Systems(GIS)
- QGIS and ArcgisPro
- Lagoon Invertebrate Species Identification
- Data Visualization and Statistics in R
- General Laboratory Handling
- Microsoft Office
- Light Microscope

RESEARCH

Miller Lab

Santa Barbara, CA

Lab Intern

Sept 2023 - April 2024

- Organized and labelled benthic and algal marine species from scans of underwater marine study sites in the Santa Barbara Channel.
- Expedited the collection and analysis of species data by further organizing the data in Excel spreadsheets.

UCSB Aquatic Invertebrate Lab

Lab Intern

April 2024 - June 2024

- Quantified and analyzed benthic and seaweed samples from Coal Oil Point Reserve lagoon for invertebrate species and collected count data utilizing light microscopes.
- Collected field data and samples measuring oxygen levels, flow rate, water temperature, and benthic organisms.

Landscape Lab

Research Assistant

August 2024- Present

- Reorganized and digitized field data into Excel as preparatory work for program analysis.
- Streamlined and maintained the preservation of collected tree cores from Sequoia and Yosemite National park.

RELEVANT COURSEWORK

- ENV S 138: Water and Society:
- ENV S 193GW: Groundwater Analysis and the Environment
- ENV S 193 DS: Statistics for Environmental Studies
- Geography 176A: Introduction to Geographical Information Systems
- Geography 176B: Technical Issues in Geographical Information Systems