**UNIVERSITY OF CALIFORNIA, LOS ANGELES**

Bachelor’s degree in Geography and Environmental Studies (Spring 2025)

Minor: GIS and Technology. Relevant coursework: GIS, remote sensing, ecosystem ecology, natural climate solutions, conservation biology, cartography, spatial analysis

**WEST LOS ANGELES COLLEGE**

Associate of Arts in Climate Change and Environmental Studies, June 2023

Climate system operations, human impact, and data-driven environmental policy.

**GEOSPATIAL AND ECOLOGICAL RESEARCH | UCLA**

Conducting ecological analysis in Google Earth Engine (GEE) to assess species composition recovery in fire-affected landscapes. Integrating remote sensing, GIS, and ecological modeling for habitat analysis and conservation planning. Using machine learning models in GEE to analyze species distributions and environmental variables. Incorporating biodiversity data for species occurrence modeling and conservation research. Biodiversity and archival data research. Utilizing biodiversity datasets to model species distributions and analyze habitat suitability. Conducting archival research on environmental history and land-use changes to inform ecological analysis. Examining historical records, remote sensing data, and species occurrence datasets to understand habitat shifts over time.

**Manager | UCLA Educational Greenhouse**

Overseeing plant propagation, collection acquisition, and educational outreach initiatives.

**Quino Checkerspot remote sensing project | UCLA**

Analyzing habitat monitoring data for the endangered Quino checkerspot butterfly. Using remote sensing to assess vegetation cover, host plant associations, fire history, and precipitation patterns.

**Skill Sets**

Geospatial analysis and remote sensing: Google Earth Engine (GEE), ArcGIS Pro, QGIS, ENVI

Satellite and spatial analysis: Satellite imagery processing, cartography, spatial databases

Programming and data analysis: Python (NumPy, Pandas, Scikit-learn), SQL

Biodiversity data science: Species occurrence modeling, ecological datasets, habitat analysis

Field and ecological methods: Plant identification, ecosystem monitoring

Photography and visual storytelling: Documentary photography and research

Graphic design: Adobe Suite

**President | UCLA Geography Association 2024-2025**

Leading organizational efforts to foster engagement in geographic research, GIS applications, and environmental studies. Organizing speaker events, networking opportunities, and interdisciplinary collaborations for students and faculty.

**President | Botanical Club at UCLA 2024-2025**

Overseeing club initiatives to promote botanical research, appreciation, and outreach. Supporting interdisciplinary collaboration across plant systematics and evolution, ecology, conservation, and science communication.

**Campus advisory group member | UCLA Mathias Botanical Garden 2023-2024**

Provided input on garden programs, plant collections, and community outreach initiatives.