

HIBAH GANIE

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EDUCATION

University of California, Santa Barbara,
Bachelor of Arts (B.A.) in GIS & Environmental Studies

Santa Barbara, CA
Graduation Date: June 2025

WORK EXPERIENCE

Los Padres Forest Service

May 2025-Present

Field Ecology Monitoring Intern

- Vegetation monitoring to assess ecological impacts and effectiveness of reducing hazardous fuel loads using sheep for wildfire mitigation with the Los Padres National Forest
- Collected and entered 800+ data points in the field, identified 15+ species of vegetation for monitoring, and collected residual dry mass over 18 transects
- Measured slope, aspect, coordinates, azimuth, substrate, and vegetation height for 10+ plots

The Nature Conservancy | Coal Oil Point, Santa Cruz Island

June 2024 - September 2024

Biosecurity Analysis Intern

- Engaged in data cataloging and processing within the software Timelapse by organizing, analyzing, and tagging camera trap footage from 24 stations over 40 trapping days
- Handled deadlines and generated a 30+ page written report with 14 data visualizations summarizing findings and providing recommendations of a rodent biosecurity device and 3 alternative devices for use on the Channel Islands
- Presented findings at the Mantell Symposium in Environmental Justice and Conservation Innovation 2024 and the Quarterly Channel Islands Biosecurity meeting with biosecurity professionals from the National Park Service, US Fish and Wildlife Service, NOAA, California Institute of Environmental Studies, and USGS.

Cheadle Center for Biodiversity and Ecological Restoration

December 2023 - May 2024

Light Pollution Analysis Intern

- Utilized GIS for light measurement tools and fieldwork within sky glow and light trespass surrounding dorms.
- Presented findings at the UCSB Undergraduate Geography Symposium as well as the Ecology, Evolution, and Marine Biology Undergraduate Symposium
- Quantified energy use of outdoor lighting on campus and the potential benefits of lowering the number and intensity of color tones in terms of energy use, and presented findings and recommendations for eco-friendly light usage to UCSB's Energy & Engineering team

Biogeochemical Cycling Lab | Santa Barbara

September 2023 - January 2025

Research Assistant

- Performed Texture Analysis, elemental analyzer processing, collected electroconductivity and pH of 50+ soil samples
- Conducted an independent research project on data collection on irrigation sources and salinizing ions found in Southern California avocado orchards, and subsequently mapped data within ArcGIS.
- Executed field and laboratory sampling, analysis, and data processing skills related to studies of ecosystem carbon cycling of recently restored North Campus Open Space.

SOCIETIES

Geography Club Social Chair

September 2023 - Present

- Managed Instagram and Gmail accounts for communication with members, posting, and making biweekly announcements with graphics
- Served as a recruitment coordinator and external event point of contact for collaborations with other clubs and events
- Coordinated biweekly general member club meetings, board scheduling meetings, and Guest lecture scheduling

Environmental Studies Peer Mentor, Bren School of Environmental Science & Management

May 2023 -Present

- Mentored three undergraduate Environmental Studies students regarding academic and professional questions
- Strengthened skills in professional communication, resumes, networking, interviewing, and internships throughout the academic year through workshops, one-on-ones, and educational talks

SKILLS & INTERESTS

Skills: GIS, Remote Sensing, CEQA, Python, R: Statistical Analysis, Soil Morphology, Scientific Writing,

Interests: Rock Climbing, Crocheting, Writing Reviews on Books and Films, Biking

Languages: English, Tamil, American Sign Language