

# Sofia Flom

7100 Briarstone Ln, West Hills, CA 91307 | 818-835-7897 | [sofieflom@ucsb.edu](mailto:sofieflom@ucsb.edu)

**Interests:** Ecology, Environmental Planning, Ecosystem and Resource Management, Environmental Health, Marine Sciences, Environmental Justice and Policy, Sustainability, Energy, Atmospheric Chemistry, Soil Sciences

## OBJECTIVE

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Aspiring Environmental Scientist with a strong foundation in ecological management and sustainability. Eager to apply analytical skills and conservation passion in a professional setting to contribute to meaningful environmental research and solutions. Proven track record in leading sustainability initiatives, conducting fieldwork research, and engaging in community service. Brings a unique perspective from a diverse cultural background with a deep-rooted commitment to environmental advocacy and innovation.

## EDUCATION

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### University of California, Santa Barbara

*Bachelor of Science in Environmental Studies*

**Santa Barbara, CA**

Expected Graduation 2026

- **GPA:** 3.73
- **Relevant Upper Division Coursework:** Environmental Planning, Energy and the Environment, Ecosystem Biodiversity, Aquatic Food Management

### University of California, Berkeley

*Bachelor of Science in Environmental Science*

**Berkeley, CA**

2022-2024

- **Relevant Coursework:** Environmental Issues, The Biosphere, Fire: Past, Present, and Future Interactions with the People and Ecosystems of California, The Bay Area's Bioregion, Introduction to Environmental Economics and Policy, Solutions for a Sustainable and Just Future, Organic Chemistry and Lab, Introductory Physics and Laboratory, General Biology and Lab

## RESEARCH and PUBLICATIONS

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### University of California, Santa Barbara

Research Assistant and Intern, **Past and Future Climate Group Lab**

**Goleta, CA**

09/07/2024 - 03/11/2025

(Dr. Stevenson, <https://www.samanthalstevenson.com/research>)

- Analyzed global climate data with python
- Presented figures from analysis of coral data, volcanic eruptions, and El Niño Southern Oscillation
- Collaborated in biweekly Stevenson Lab meetings

### University of California, Los Angeles

Research Assistant, **UCLA Blumstein Lab** (<https://blumsteinlab.eeb.ucla.edu/who-we-are/>)

**Los Angeles, CA**

06/07/2024 - 08/29/2024

- Conducted fieldwork to investigate the effects of feral cats on risk assessment behavior in urban birds
- Collected flight initiation distance data at various sites around Los Angeles with a team
- Learned how to collect and enter data effectively

### Santa Monica Mountains Resource Conservation District

Research Assistant and Volunteer

**Los Angeles, CA**

05/20/2024 - 06/14/2024

- Conducted fieldwork as part of ongoing statewide stream health research database
- Learned how to conduct stream surveys on different segments of Topanga Creek

### Global Treks and Adventures

Internship Research Expedition

**Kona, HI**

03/20/2023 - 08/05/2023

- Conducted fieldwork research as part of a larger team which included university instructors and scientists on the Big Island of Hawaii to explore various ecosystems

- Researched extensively online on Big Island climate patterns and ecosystem elevation differences, in addition to other long-term impacts on the ecosystem
- Combined online research with field research observations, including plants and animals identified and short-term seasonal weather observations to a regional field/cultural publication.

### **University of California, Berkeley**

**Berkeley, CA**

Student Environmental Resource Center (SERC) Team Member

02/10/2023 - 04/28/2023

- Innovated as part of 3D Printer Filament Reclamation Team at UC Berkeley
- Helped use a granulation machine to recycle failed 3D prints into new 3D printed material
- Gained hands-on experience using machinery and contributed to zero waste effort at UCB

### **University of California, San Diego**

**San Diego, CA**

Summer Research Assistant, COSMOS

07/05/2021 - 07/30/2021

- Researched aerosols, atmospheric chemistry, the Earth's energy budget, and environmental activism
- Conducted group research on the effects of ocean acidification on lightning around the world

## **WORK and LEADERSHIP EXPERIENCE**

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### **Coal Oil Point Reserve**

**Goleta, CA**

Restoration Intern

3 hours/week 09/27/2024 - ongoing

- Planting and propagating native seeds/plants, such as the Santa Barbara Honeysuckle
- Weeding invasive plants in COPR, such as harding grass
- Researching benefits and drawbacks of novel ecosystems with both native and non-native plants

### **Heal the Bay**

**Santa Monica, CA**

Beach Programs Intern

15 hours/week 06/13/2024 - 08/16/2024

- Worked in a team to organize 100-200 people county-wide beach cleanups
- Conducted in-person beach cleanup safety talks, preparing supplies
- Created video scripts to spread coastal community awareness and encourage beach cleanup participation
- Created an interactive map with recycling and composting information for all 88 cities in LA county

### **Malibu Makos Surf Camp**

**Malibu, CA**

Seasonal Surf Camp Instructor

30 hours/week 06/12/2023 - 08/22/2024

- Instructed 5-16-year-olds in surfing, emphasizing ocean safety and conservation

### **Beth El Congregation**

**Berkeley, CA**

Pre-Kadima Teacher

5 hours/week 08/29/2023 - 02/1/2024

- Lead educational programs for elementary students, focusing on community and cultural values

### **UC Berkeley Unit 4 Residence Hall**

**Berkeley, CA**

Student Clerk

10 hours/week 09/20/2021 - 05/06/2022

- Managed logistical operations, including package processing and equipment rental services
- Provided customer service to student residents

## **SKILLS, ACTIVITIES, AND INTERESTS**

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**Technical Skills:** Python, Java, Microsoft Office, Google Apps, iNaturalist

**Languages:** Conversational Proficiency in Spanish

### **Activities/Teams**

- Intercollegiate UCSB Women's Rugby

- Active in environmental advocacy, demonstrated through participation in beach cleanups and zero waste projects. Volunteer at SOVA community food bank/pantry
- Virtual Summer Camp Director: created curriculum for and taught class in astronomy to elementary school students over the summer, receiving district-wide award recognition for community service and leadership