



RACHEL BITTNER

UNDERGRADUATE RESEARCHER |
ENVIRONMENTAL STUDIES &
MARINE BIOLOGY

CONTACT

760-443-6628

6633 Trigo Rd., Isla Vista

rachelbittner7@gmail.com

<https://bittnation.github.io/>

SUMMARY

Third year Environmental Studies and Ecology, Evolution, and Marine Biology double major at UCSB. Passionate about conservation, blue carbon ecosystems, and interdisciplinary environmental research.

SKILLS

- R Studio
- Quarto / Markdown / GitHub
- Laboratory analysis (DNA extraction, encapsulating sediment, grain size analysis, acid wash)
- Scientific writing & poster presentation
- Collaboration & data communication

EXPERIENCE

UNDERGRADUATE RESEARCHER

The Gaines Lab @ University of California, Santa Barbara

Feb 2025- Present

- Conducted sediment sampling and core analysis for blue carbon research
- Used R to analyze relationships between grain size, bulk density, and organic carbon content
- Plan to conduct field work and write senior thesis

RESEARCH PRESENTATION

UCSB EEMB Undergraduate Research Symposium

May 2025

"Understanding the Relationship Between Sediment Grain Size and Organic Matter in a Temperate Seagrass Meadow"

SHIFT LEAD

Poki Poki, Encinitas, CA

2020 - 2023

- Provided customer service in a fast-paced environment
- Gained strong communication, multitasking, and time-management skills
- Recognized twice as employee of the month for leadership and reliability

EDUCATION

University of California, Santa Barbara

Expected December 2027

**BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES AND
ECOLOGY, EVOLUTION, AND MARINE BIOLOGY**