

KATE A. BECKER

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EDUCATION

University of California, Santa Barbara (UCSB)

Bachelor of Science (B.S.), Environmental Studies, Expected Graduation Winter 2023

Concentration in Environmental Policy, Sustainability, Climate Change and Conservation.

Santa Barbara, California

September 2018-Present

RESEARCH EXPERIENCE

Undergraduate Researcher, Eliason Lab, PI: Erika Eliason, UCSB

March 2022-Present

- Research focus: Investigated thermal tolerance of fishes under fluctuating temperatures and varying diet quality using cardiovascular performance as a metric.

Summer Intern, Eliason Lab, PI: Erika Eliason, UCSB

May 2022-August 2022

- Research focus: Investigation of parasite load, *Euhaplorchis californiensis*, in the brain regions of California killifish, *Fundulus parvipinnis*, as it pertains to thermal tolerance.
- Awarded UCSB Coastal Fund (\$5,000).

ACADEMIC PROGRAMS

Wildlands Studies Hawaii

Big Island, Hawaii

International Academic Field Studies Program

March 2021-May 2021

Focus on marine and terrestrial field research as well as indigenous marine management and food systems.

Marine Biology and Terrestrial Ecology

University of Queensland, Australia

University California, Education Abroad Program

Winter 2021 and Spring 2021

Accepted twice into competitive academic program that works with the Heron Island Research Station but **canceled due to COVID-19**.

EMPLOYMENT HISTORY

Fine Dining Waitress, The Ritz-Carlton Bacara, Santa Barbara, CA

July 2021-December 2021

- Served food and beverages to a variety of high-profile guests for an average of 40 hours a week.
- Memorized hotel guest profiles, daily specials, seasonal cocktail list, and regular menu, including possible allergens.
- Performed extra work as needed such as food running, barista, restocking, cleaning, and private event staff.

Boutique Sales Associate, Stella E Luna Boutique, Point Pleasant, NJ

May 2019-September 2019

- Strengthened upscale boutique by managing and processing sales, social media marketing, customer satisfaction and inventory.

Food Service, Shore Fresh Seafood Restaurant & Market, Point Pleasant, NJ

June 2018-October 2018

- Provided food and beverage service to an average of seven tables at once while coordinating seafood market sales.

VOLUNTEER EXPERIENCE

Volunteer, Sweet Wheel Farm and Flowers, Santa Barbara, California

August 2021-October 2021

- Conducted harvesting and planting while participating in community outreach for the Save Summerland Farm non-profit.

Volunteer, Surfrider Foundation - Isla Vista Chapter, Santa Barbara, California

September 2018-March 2020

- Took part in weekly beach cleanups and engaged in community outreach to aid program mission centered on community support.

PRESENTATIONS

UCSB, Undergraduate Research Symposium, Expected Spring 2023

- Investigation of parasite load in the brain regions of California killifish as it pertains to thermal tolerance.

SKILLS & QUALIFICATIONS

IACUC Training (Fish), CITI Wildlife Research, CITI Working with Fish in Research Settings, Spatial Mapping in ArcGIS, Statistical Analysis and Data Visualization in R Studio, Python, Microsoft Office Applications, Google Workspace, and Scientific Writing

PREVIOUS WORK

- ArcGIS Project : Mangrove Restoration in Florida: <https://arcg.is/0SvzyH>
- R Studio Project : Statistical Analysis of Shark Distribution file:///Users/katebecker/Documents/shark_movement_.html