ANGELA LARSON

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EDUCATION

2025-present **Tulane University**
PhD, Earth and Environmental Science
Advised by Dr. Thomas DeCarlo

2021-2025 **University of California, Santa Barbara**
B.S. Earth Science, emphasis in Climate and Environment
GPA: 3.79, cum laude
Thesis title: Brucite-inspired Ocean Alkalinity Enhancement: Chalking up the growth and calcification of *Emiliania huxleyi*

AWARDS AND FELLOWSHIPS

2025-present **Louisiana Board of Regents/SREB Doctoral Scholar,** Tulane University
2025 **Outstanding Senior Award,** UCSB Earth Science
2025 **Outstanding Academic Achievement Award,** UCSB Earth Science
2025 **Distinction in the Major Award,** UCSB Earth Science
2022-2025 **FUERTE Fellowship,** UCSB Ecology, Evolution, and Marine Biology
Funded by the NSF, FUERTE (Field-based Undergraduate Engagement through Research, Teaching, and Education) is a three year fellowship dedicated to providing underrepresented undergraduates hands-on opportunities in research.

PUBLICATIONS

In review Gately et al.,"Abrupt alkalinization alters coastal microbial diversity and promotes the proliferation of marine parasites".

PRESENTATIONS

2025 Gately et al., "Ocean Alkalinity Enhancement Promotes the Proliferation of Marine Parasites and Alters Seasonal Microbial Communities: Insights from Mesocosm Experiments in the California Coastal Upwelling System".
2025 Iglesias-Rodriguez et al., "Ocean Alkalinity Enhancement–a Biological Perspective".

RESEARCH EXPERIENCE

2023-2025 **Ocean Alkalinity Enhancement,** UCSB Ecology, Evolution, and Marine Biology
Working under the guidance of Dr. Debora Iglesias-Rodriguez studying carbon dioxide removal via ocean alkalinity enhancement (OAE). Involved in large scale mesocosm experiments in addition to phytoplankton culture maintenance.

2022-2023 **Narrowleaf Milkweed Restoration,** UCSB Marine Science Institute
Worked under the guidance of Dr. Adam Lambert in the restoration of a riparian site in Fillmore, CA. Involved in seed processing, plant care, and monitoring narrowleaf milkweed growth.

ACTIVITIES AND LEADERSHIP

2021-present **Camp Counselor**, Girl Scouts of America
I lead and teach groups of 10-15 kids essential wilderness skills in the High Sierra through the use of nature education, backcountry camping, and backpacking.

2022-2025 **UCSB Women's D1 Rugby**, UC Santa Barbara
As a veteran leader, I lead drills within practice and assist in skill work in small groups. With games every weekend during the season, we have some variety of training every day which requires commitment, discipline, and time management skills. Additionally, I was selected to represent my division in a national tournament in June 2024.

2021-2025 **VocalMotion A Cappella Club**, UC Santa Barbara
I have held both President (2023-2025) and Treasurer (2022-2023) cabinet positions. As President, I organize bi-weekly rehearsals and quarterly concerts through collaboration in a four person team. As Treasurer, I requested and managed thousands of dollars worth of funding every quarter for concerts and was responsible for our bank account.

2024 **FUERTE Field Program Mentor**, UCSB FUERTE
Selected as an undergraduate Teaching Assistant for a field program focused on exposing ten first year undergraduates to field and environmental sciences at the Sierra Nevada Aquatic Research Laboratory and work on the R/V Shearwater.

2024 **UCSB Earth Science Learning Assistant**, UCSB Earth Science
Selected as an undergraduate Learning Assistant for EARTH 114 - Geomaterials. I gained valuable teaching experience by assisting students with identifying rocks and minerals in the lab section. Additionally, I held weekly office hours to review material with students.

RELEVANT SKILLS

Field CTD sensor sample collection - carbonate chemistry, eDNA, and dissolved nutrients
Field sediment coring - multicore, box core, and gravity core
Sediment porewater analysis
Microscopy - major phytoplankton group identification and cell counting
QGIS
Python
Matlab
R