

HONOUR SHORE AI LIN BOOTH
Department of Chemical, Biochemical, and Environmental Engineering
University of Maryland, Baltimore County
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Education

- Fall 2023 to Present *University of Maryland Baltimore County (UMBC):* Baltimore, Maryland
Pursuing PhD in Environmental Engineering
- Fall 2020 to Summer 2023 *University of Hawai‘i at Mānoa (UHM):* Honolulu, Hawai‘i
Master of Science in Chemistry with a concentration in Organic Chemistry
- Fall 2016 to Spring 2019 *University of Hawai‘i at Mānoa:* Honolulu, Hawai‘i
Bachelor Degree in Science in Global Environmental Science
Bachelor Degree in Art in Chemistry
- Fall 2013 to Spring 2016 *Kap‘iolani Community College (KCC):* Honolulu, Hawai‘i
Associate Degree in Science in Natural Science with a concentration in Life Science

Work Experience

- Fall 2023 to Present *NOAA EPP/MSI Center for Earth System Sciences and Remote Sensing Technologies (CESS-RST) II Fellow*
NOAA Educational Partnership Program/Minority-Serving Institutions (EPP/MSI) CESS-RST II
CESS-RST II Mentor: Dr. Lee Blaney
- Fall 2022 to Summer 2023 *Graduate Research Assistant*
Water Resources Research Center
Principal Investigator: Dr. Thomas Giambelluca
- Fall 2020 to Summer 2022 *Graduate Research Assistant*
Hawai‘i Institute of Marine Biology/Hawai‘i Sea Grant
Principal Investigator: Dr. Megan Donahue
- Fall 2019 to Summer 2020 *Graduate Assistant*
Office of STEM Education, University of Hawai‘i System
Principal Investigator: Dr. John Rand
- Spring 2019 to Summer 2020 *Student Helper*
Enforcement Section, Clean Water Branch, Hawai‘i State Department of Health
Supervisor: Matthew Kurano
- Summer 2019 *Summer Scholar*
Haystack Rock Awareness Program, Oregon Sea Grant
Mentor: Lisa Haebecker
- Fall 2017 to *Undergraduate Research Fellow*

- Spring 2019 Geochemistry Team, ‘Ike Wai, EPSCoR, University of Hawai‘i at Mānoa
Mentor: Dr. Nicole Lautze
- Summer 2018 *Peter J. Rappa Sustainable Coastal Development Fellow*
City and County of Honolulu Office for Climate Change Sustainability and
Resiliency, Hawai‘i Sea Grant
Mentor: Matthew Gonser
- Summer 2017 *Peer Mentor*
Summer Bridge, Kapi‘olani Community College/School of Ocean and Earth
Science and Technology (SOEST)
Supervisor: Dr. Barbara Bruno
- Summer 2016 *Intern*
Paepae o He‘eia, Pacific Internship Programs for Exploring Science (PIPES)
Mentor: Kanaloa Bishop
- Summer 2015 *Peer Mentor*
Summer Bridge, STEM Program, Kapi‘olani Community College
Supervisor: Mrs. Keolani Noa

Research Experience

- Fall 2020 to
Summer 2023 *The Quantification of Organic Ultraviolet Filters in Coastal Marine
Ecosystems in Hawai‘i*
In Fulfillment of an MSc in Chemistry
Research Advisors: Dr. Philip Williams, Dr. Megan Donahue and
Dr. Thomas Apple
- 2 publications in prep
- Fall 2020 to
Summer 2022 *Land-based Pollutants in Coastal Ecosystems of Kaihuopala ‘ai, Pu ‘uloa*
Hawai‘i Institute of Marine Biology, Hawai‘i Sea Grant
Research Advisors: Dr. Megan Donahue, Dr. Eileen Nalley and
Dr. Kim Falinski
- Presented at the Hawai‘i Conservation Conference 2022, the Ocean
Science Meeting 2022, the 2022 Tester's Symposium
 - 1 publication in prep
- Fall 2017 to
Summer 2020 *Event-based stable isotope analysis of precipitation on the tropical island of
O‘ahu, Hawai‘i*
EPSCoR ‘Ike Wai
Mentor: Dr. Nicole Lautze
- Published: <https://doi.org/10.2984/75.3.9>.
 - Presented as a poster at the ‘Ike Wai Scholars Symposium in May
2018.

- Fall 2016 to
Spring 2019
- Assessing the Sunscreen Sheen: Determining the Presence and Persistence of Organic Ultraviolet Filters and the Hanauma Bay Marine Life Conservation District*
SOEST Scholars, Undergraduate Research Opportunity Program
Mentors: Dr. Philip Williams, Professor Mackenzie Manning, and Dr. Joshua Gurr
- Published as an Undergraduate Senior Thesis in the fulfillment of a Bachelor Degree in Science in Global Environmental Science.
 - Presented at the Aquatic Science Meeting in Spring 2017, the UROP Symposium in Fall 2017 and the GES Senior Thesis Symposium in Spring 2019.
- Summer 2016
- 'Ai Nā I'a, 'Ai Nā Kānaka: Identifying Diatoms as a Secure Food Source for 'Ama'ama, Mugil cephalus, in He'eia Fishpond*
PIPES
Mentor: Kanaloa Bishop
- Presented with PowerPoint at the PIPES Intern Symposium in August 2016.
- Fall 2015 to
Spring 2016
- The Sunscreen Sheen: An Assessment of the Presence and Quantity of Organic UV-Filters in the Waters Off Waikīkī Beach*
C-MORE Scholars
Mentors: Dr. Philip Williams, Professor Mackenzie Manning, and Dr. Joshua Gurr
- Presented as a poster at the C-MORE Scholars Symposium in May 2016 and the International Coral Reef Symposium in June 2016.
- Spring 2014 to
Summer 2015
- Manu o Kū Project*
STEM Research Experience in Ecology
Mentor: Dr. Wendy Kuntz
- Presented as a poster at the Hawaii Conservation Conference in 2014 and 2015.

Volunteer Work and Service Learning

- Summer 2022 to
Fall 2022
- Mālama Pu'uloa, Hui o Ho'ohonua*
Kapapahu Point Park, Kaihuopala'ai (West Loch), Pu'uloa (Pearl Harbor)
- Created outreach videos for safe seafood preparation
 - Helped at the Outreach Booth at the Mālama Pu'uloa Festival on October 29, 2022
- Fall 2021 to
Summer 2022
- Red Hill Task Force*
Water Resources Research Center, University of Hawai'i at Mānoa
- Assisted with purge and trap GC/MS-QQQ instrument set-up and method development
 - Analytical chemistry consulting

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| <p>Spring 2020,
Fall 2019</p> | <p><i>Kāko‘o ‘Ōiwi</i>
He‘eia Ahupua‘a, O‘ahu</p> <ul style="list-style-type: none"> ● Participated in restoration activities. ● Helped coordinate participation of Maile Mentor Program in community work days. |
| <p>Fall 2019,
Spring 2019,
Fall 2015 to
Spring 2017</p> | <p><i>Paepae o He‘eia</i>
He‘eia Fishpond, O‘ahu</p> <ul style="list-style-type: none"> ● Participated regularly in restoration activities. ● Occasionally served as group leader, as needed. ● Coordinated a sunscreen sponsorship with Raw Elements. |
| <p>Fall 2019,
Fall 2017,
Fall 2015</p> | <p><i>SOEST Open House</i>
SOEST, UHM</p> <ul style="list-style-type: none"> ● Helped with the mosaic at the Maile Mentor Bridge booth. ● Explained the dynamics of the water cycle to children, K-12, at the ‘Ike Wai exhibit. ● Explained the ocean food web and taught knot tying to children, K-12, and the general public at the C-MORE booth. |
| <p>Spring 2019</p> | <p><i>Hawai‘i Ocean Sciences Bowl</i>
Hawai‘i Sea Grant, UHM</p> <ul style="list-style-type: none"> ● Served as scorekeeper and filled in other positions for breakout room. Helped with setting up and breaking down. |
| <p>Spring 2016,
Fall 2014</p> | <p><i>Hakalau National Wildlife Reserve Restoration</i>
Hawai‘i Island</p> <ul style="list-style-type: none"> ● Participated in reforestation by out-planting of indigenous and endemic flora. ● Harvesting and planting cuttings, repotting seedlings and fertilizing. |
| <p>Fall 2013</p> | <p><i>Service Learning</i>
Hanauma Bay, O‘ahu</p> <ul style="list-style-type: none"> ● Participated in the stewardship of indigenous and endemic plants in several of the landscaped areas. ● Outreach and education at the Beach Desk. ● Set up the caution tape around Ewa, the monk seal!! |

Past Awards and Honors

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| <p>Fall 2019 to
Spring 2021</p> | <p>Maile Mentor Bridge Mentor, UHM</p> |
| <p>Spring 2019,
Spring 2018,
Fall 2016 to
Spring 2017</p> | <p>Dean’s List, UHM</p> |

Fall 2014 to Spring 2019	Maile Mentor Bridge Mentee, UHM
Fall 2017	Sarp Kayan Scholarship, UHM
Spring 2017	UROP Recipient, UHM
Spring 2017	Robinson A. McWayne Scholarship, UHM
Fall 2016	2 nd Place, North American Marine Environment Protection Association Science Competition
Fall 2013 to May 2016	Dean's List, KCC
Spring 2016	Honorable Mention, UDALL Scholarship
Spring 2016	Faculty Senate Award, KCC
Spring 2015	Math and Science Achievement Award, KCC
Fall 2014 to Spring 2015	STEM Start Up Scholarship, KCC