

Maya Grace Brookens

maya.brookens@duke.edu · mayabrookens@gmail.com
Duke University, Durham, North Carolina 27708

EDUCATION

Duke University, Trinity College of Arts and Sciences, Durham, NC

B.S. in Biology, Concentration in Marine Science, Expected in May 2025

- Relevant Coursework: Marine Biology and Ecology, Animal Physiology, Ecology for a Crowded Planet, & Plant Diversity in the Field
- Honors Thesis in progress
- GPA: 3.86/4.0

Duke University Marine Laboratory, Beaufort, NC

Jan 2024 - May 2024

- Relevant Coursework: Marine Bioacoustics, Drones in Marine Science, & Biology and Conservation of Sea Turtles
- Admitted into a semester program designed to deepen knowledge of marine science from experienced faculty

Mahindra United World College of India, Paud, Maharashtra

Sept 2019 - May 2021

INTERNSHIPS & FELLOWSHIPS

Rachel Carson Scholar

March 2023 - Present

Marine Scholars, Duke University, Durham, NC

- Accepted into a competitive, interdisciplinary program that unites Marine Scholars from diverse fields, including engineering, pre-medical studies, and public health, to collaborate on marine conservation projects, innovative solutions, and practical applications
- Attending marine seminars, professional conferences, and monthly scholars meetings
- Engaging in peer mentorship and professional development opportunities

Bonaventura Fellow

June 2024 - August 2024

Duke Marine Laboratory, Beaufort, NC

- Conducted research on the thermal resilience of the *Lytechinus variegatus* sea urchin population at the species' northernmost geographical boundary

Advisor: Dr. Juliet Wong

- Completed a foundational course in research methodology, focusing on developing innovative research questions, refining experimental design, understanding research ethics, and addressing potential research bias
- Gained professional development and experience in scientific critique by presenting research methods and results to the Duke Marine Laboratory community, enhancing skills in scientific communication and peer review

Data Analysis Intern

Jan 2024 - May 2024

Global Alliance for Managing Ocean Noise (GAMEON), Beaufort NC

- Compiled comprehensive briefs on international ocean noise management policies including Germany, the United Kingdom, and Australia to guide and inform the Bureau of Ocean Energy Management

Advisor: Dr. Douglas Nowacek

Student Researcher**March 2024 - May 2024****Independent Study, Duke Marine Laboratory, Beaufort, NC**

- Researched the impacts of antioxidants and UV light exposure on the expulsion of zooxanthellae and subsequent bleaching of sea anemones

Advisor: Dr. Joshua Osterberg

Veterinary Technician Intern**June 2022 - August 2022****VIDA Veterinary Care, Denver, CO**

- Assisted with in-patient care, administered vaccines and oral medication, and shadowed surgical procedures

Research & Conservation Volunteer**June 2021 - July 2021****Asociación Salvemos las Tortugas, Parímina, Limón**

- Minimized poaching through nightly patrols and assisted in turtle and clutch measurements
- Maintained the hatchery, monitored the eggs during incubation period, and excavated nests

POSTER PRESENTATIONS

Summit for Ocean Stewards**Upcoming Sept 2024****Duke University, Durham, NC**

- Presenting research findings on sea urchin *Lytechinus variegatus* thermal resilience at the upcoming student-organized event

CERTIFICATIONS & TECHNICAL SKILLS

- Open Water Scuba Certified
- Wilderness First Aid Certified
- R Studio
- MATLAB
- Raven Pro
- Conversational Spanish