PALOMA CARTWRIGHT (she/her)

palomacartwright@miami.edu | GitHub | LinkedIn | Personal Website

EDUCATION

Doctor of Philosophy in Ocean Sciences
Rosenstiel School of Marine, Atmospheric and Earth Sciences, University of Miami
Specialization: Understanding the Relationship between the Florida Current and Sea Level Rise
Advisor: Dr. Lisa Beal | Honors/Awards: Graduate Student Research Fellowship
Leadership/Involvement: MSGSO Multicultural Chair (01/24–Present), Seeking Equity And Success (SEAS) Chair (01/24–Present), SEAS Officer (06/23–01/24), Rosenstiel Student Auction Assistant Director (10/23–Present), Mental Health Ambassador (09/23 - Present)

Master of Environmental Data Science, 4.0 GPA (June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
Capstone Project (Thesis Equivalent): "Understanding US Wind and Solar Renewable Energy Siting" Identifying drivers of wind and solar siting using machine learning to evaluate the relationship of renewable energy siting with infrastructure, socio-economic indicators, local climate, and policies
Leadership/Involvement: MEDS 2022 Class Co-Chair; MEDS Dean's Advisory Council Representative; Member of Bren Environmental Justice Club; Member of UCSB Black Graduate Student Association
Honors/Awards: Bren School Environmental Data Science Fellowship; Graduated with Distinction

Bachelor of Arts in Computer Science and Environment, 3.31 GPA (June 2021)
McGill University, Montreal, Quebec, Canada
Honors/Awards: Ministry of Higher Education, Quebec: Excellence Bursary for Computer Science 2021; James McGill Scholarship for Academic Excellence and Outstanding Leadership 2017; All Bahamas Merit Scholar and Student Ambassador for The Bahamas 2017
Leadership/Involvement: VP Events – Caribbean Student Society (9/20–4/21); Peer Supporter McGill (9/19–4/20); McGill Model United Nations Symposium Volunteer (9/18–4/20)

PROFESSIONAL EXPERIENCE

Environmental Data Initiative Fellow (6/22–9/22)
Environmental Data Initiative, University of Wisconsin – Madison, Wisconsin, USA
- Collaborate with the Palmyra Atoll Long-Term Ecological Research Network Data Library's data manager to utilize the workflow for data mobilization
- Clean, structure and organize data, assemble the appropriate metadata, and publish new data packages onto the Environmental Data Initiative's Repository

Whale Safe Junior Data Scientist (9/21–6/22)
Benioff Ocean Initiative, UCSB, Santa Barbara, California
- Analyze and visualize 4 types of spatial ocean data, including vessel data and whale data from real-time acoustic monitors, visual sightings, and dynamic habitat models to assist with the Whale Safe project
- Research and write briefings on marine issues to inform Benioff Ocean Initiative projects and partnerships
- Google BigQuery database management using SQL and RStudio to create, update, and run queries

Information Technology Coordinator (6/17–Present)
Long Island Boat Rentals and Tours, Long Island, The Bahamas
- Created and launched the first website for the company using HTML, CSS, and JavaScript
- Designed and outlined marketing strategy for social media team and hired 2 team members for the role
- Review and update website monthly, working with the web development team to update as they see fit

PROFESSIONAL EXPERIENCE (Continued)

Field Research Intern (6/19–7/19)
Bimini Biological Field Station Foundation, Bimini, The Bahamas
- Collect data for PhD students' projects specifically focusing on lemon sharks' response to marine noise and Great Hammerhead shark migratory feeding patterns; results published in two papers
- Collaborated with 20 colleagues on collecting data for 9 shark and 3 stingray species in Bimini
- Completed field safety and boating safety courses as well as boat captaining course
- Aid in the daily running of the field station, including maintenance and repairs to all tools used in the field

ADDITIONAL EXPERIENCE

Teaching Assistant (09/23–12/23)
University of Miami, Miami, FL
Taught 25 students Foundations of Computational Marine Science in python and graded coding assignments

Teaching Assistant (3/22–6/22)
UC Santa Barbara, Santa Barbara, CA
Taught 75 students Intro to Biology in 3 sessions, graded research papers, and built rapport with students

Team Captain (8/15–8/17); **Member** (8/10–Present)
Bahamas National Sailing Team, The Bahamas
Represented The Bahamas internationally in 3 sailing classes and 5 events

Head Coach (6/18–8/19)
Mack Knowles Junior Sailing Club, Long Island, The Bahamas
Organized the 1st Annual Summer Sailing Camp, leading a team of 10 instructors and over 70+ students; Head Coach for Long Island's sailing team, representing the island on a national level at 5 events each year

Certified Instructor (6/14–8/18)
Bahamas National Sailing School, New Providence, The Bahamas
Lead Instructor for 6-week summer camp supervising 12 instructors and over 100 sailors; Completed First Aid and CPR course, lifeguard, and water safety course & boat captain course for certification

Deputy Junior Minister of Tourism
Ministry of Tourism Bahamas, The Bahamas (9/16–6/17)
Collaborated with a team of 15 in The Bahamas Ministry of Tourism to bring innovative ideas for refactoring Tourism strategies in The Bahamas and make initiatives more sustainable

SKILLS & HONORS

Programming Languages and Environments: Python (Anaconda, Spyder & Jupyter); R (RStudio); Java; SQL; CSS; HTML; JavaScript; GitHub (+ GitHub Pages); Google Cloud Platform (BigQuery, Cloud Functions); Tableau
Project Management: Clockify; Dropbox; Slack; ZenHub; Zoom; Microsoft Office Suite (Excel, Word, PowerPoint, Teams); Google Suite (Docs, Sheets, Slides)
Certifications: IANTD (Scuba); Certified Sailing Instructor with Boating Certification; Web Development with JavaScript Certified
Awards: National Youth Award: Excellence in Sailing; Bahamas Olympic Committee President's Cup Award; All Bahamas Merit Scholar