

Shellby Johnson

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EDUCATION

Master of Environmental Science and Management, 3.7 GPA (Expected June 2020)

Bren School of Environmental Science & Management- University of California, Santa Barbara (UCSB)

Coastal Marine Resources Management Specialization | Strategic Environmental Communication

Coursework: Coastal and Ocean Policy/Management, Environmental Politics, Advanced Environmental Communication, Applied Marine Ecology, Coastal Marine Ecosystems Processes

Bachelor of Arts in Marine Affairs and Policy, 3.53 GPA (May 2016)

Rosenstiel School of Marine and Atmospheric Science- University of Miami (UM), Coral Gables, FL

Honors, Awards, Leadership: Provost's List (2 semesters), Dean's List (4 semesters), UM Black Alumni Society Scholar, National Park Service Academy Participant, Trustee Scholarship Recipient, Undergraduate Commencement Speaker

MASTERS GROUP PROJECT

Economic Valuation of Whale Watching and Marine Spatial Planning in Dominica (4/19-Present)

Client: Dominica Sperm Whale Project | Role: Outreach and Financial Co-Manager

- Evaluate the economic impact of whale watching tourism using surveys and a business revenue model to incentivize the Dominican government to protect the community of sperm whales in their coastal waters
- Develop a dynamic marine spatial plan for Dominica to minimize ship strikes with sperm whales and avoid vessel overlap with fish aggregating devices (FAD) through the creation of proposed shipping lanes
- Perform data collection and analysis for both the economic and marine spatial portions of the project
- Author meeting agendas for a 4-person research team and advisors as well as communicate research progress and results to the client, team, outside entities, and the public.

MARINE RESOURCE & CONSERVATION EXPERIENCE

Coastal Preservation Intern (6/19 - 9/19)

The Surfrider Foundation (Headquarters) San Clemente, CA

- Researched coastal management regulations and policies for 31 states and territories to assess how well (i.e. protection of natural coastal habitat, management of coastal development, climate change considerations, etc.) coastal states are managing national shorelines
- Developed 31 'report cards' for each state and territory and summarized the overall regulatory effort and preparedness of coastal states for [Surfrider's 2019 State of the Beach Report](#)
- Collaborated on a 10-page draft white paper for the state of New Jersey to provide guidance for improving coastal regulations; authored a [900-word technical and environmental justice blog on managed retreat](#)

Endangered and Threatened Species Intern (5/16 – 8/16)

National Park Service (Cape Lookout National Seashore), Harker's Island, NC

- Managed and protected over 200 Loggerhead sea turtle nesting sites and hatching events and updated the Sea Turtle Nest Monitoring System (seaturtle.org) with coordinates of new sites, predator activity, and egg counts
- Collected biological samples from Loggerhead turtle nests for population dynamics research
- Created informational pamphlet with recommendations for sea turtle conservation and interaction for visitors

POLICY AND COMMUNICATION EXPERIENCE

Graduate Teaching Assistant (Multiple Departments including Environmental Studies) (9/18 - Present)

UCSB Santa Barbara, CA

- Taught 3 discussion sections per week for 60-71 undergraduate students; reviewed course concepts and advised on assigned research paper and other assignments (thesis development, clarity, proper citations, etc.)
- Graded all assignments and provided written and oral feedback to students on 2 research paper drafts; Collaborated with the supervising professor and teaching team to brainstorm effective pedagogical methods

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Educational Outreach Coordinator (11/17 - 8/18)

Center for Education Integrating Science, Math, & Computing (Georgia Tech) Atlanta, GA

- Handled logistical needs (including venue bookings, travel, expenses, and scheduling events) for quality STEM programs targeting minority and low-income communities in the Atlanta area
- Worked with the Associate Director of School and Community Engagement to develop strategies and programs to expose K-12 students to the STEM disciplines to foster the next generation of STEM leaders
- Supervised 7 undergraduate and graduate student assistants both in office and in the field by assigning assistants to various elementary and middle schools to help with programs; tracked work hours and approved pay schedules

Public Affairs and Administrative Assistant (10/16 - 11/17)

Georgia Department of Natural Resources (Commissioner's Office) Atlanta, GA

- Tracked environmental bills, attended natural resource committee meetings during legislative session, and wrote speeches for the Commissioner and other senior staff to assist the Director of Public and Governmental Affairs
- Managed the department's Facebook account; served as lead for content and formatting for the quarterly agency newsletter; handled purchasing requests and input of annual and sick leave for the department
- Served as liaison for customers, affiliates, and members of the Georgia General Assembly

VOLUNTEER EXPERIENCE

Community Outreach Volunteer

Gray's Reef National Marine Sanctuary, Savannah, GA (10/17)

- Informed the public on biological facts about the reef, its health, recreational activities, and opportunities for involvement during the Skidaway Institute of Oceanography's Marine Science day
- Assisted in ROV (remotely operated underwater vehicle) interactive demos and information sessions

Station Leader (Ocean Kids Community Outreach Event),

University of Miami Key Biscayne, FL (4/16)

- Created interactive activities relating to fisheries and sustainable seafood for students from minority and underserved communities in order to enhance environmental awareness and appreciation.
- Solicited classmates and colleagues to recruit a team of 5 volunteers to assist in the operation of the station I oversaw; provided information packets and held short logistical sessions to train volunteers before the event

Beach Clean-up Volunteer

Rho Rho Rho Marine and Atmospheric Honor Society Key Biscayne, FL (3/16)

- Removed trash and debris along the highly populated areas of the beach to determine the source of the litter and encourage behavior change that causes pollution
- Educated beachgoers on the harmful effects of pollution on the marine ecosystem to inspire the public to become more mindful and informed when visiting the beach

SKILLS & CERTIFICATIONS

Computer: Microsoft Office Suite (Word, Excel, PowerPoint), RStudio, Geographic Information Systems (GIS)

Communication: Public speaking (large venue audience size 300-500, recorded video, presentations to NGO, agency, and general public audiences), speech writing, science communication

Certifications: All-Terrain Vehicle (ATV Safety Institute)