

Peyton Moore

EDUCATION

Master of Environmental Science and Management, 3.91 GPA (Expected June 2021)

Coastal Marine Resources Management Specialization

Bren School of Environmental Science & Management – University of California, Santa Barbara

Scholarship: Steve Gaines and Peggy Lubchenco Recruiting Fellowship

Key Coursework: Coastal and Marine Ecosystem Processes, Applied Marine Ecology, Coastal Policy and Management, Environmental Institutions, Data Analysis for Environmental Science and Management, Advanced Data Analysis, Writing Skills for Environmental Professionals, Advanced Environmental Communication

Bachelor of Science in Marine Science | Minor in Economics, 3.78 GPA, summa cum laude (May 2019)

University of South Carolina – Columbia, South Carolina

Honors/Awards: McKissick Scholarship, President's List (one semester), Dean's List (six semesters)

Study Abroad: Galapagos Academic Institute for the Arts and Sciences, Marine Ecology (1/18–5/18)

Thesis: Documenting Personal Opinions on Climate Change in the Galapagos Islands (1/18–5/19)

MASTER'S GROUP PROJECT (THESIS EQUIVALENT)

Supporting Co-Management of Brazil's Marine Extractive Reserves (4/20–Present)

Role: Project Manager | Client: World Wildlife Fund (WWF), Brazil

- Manage 4 team members to assess the management effectiveness of Brazil's reserves and find opportunities for shared learning from successes in similar marine reserves around the world
- Coordinate a Qualtrics survey assessing management effectiveness and the impacts of COVID-19 on Brazil's reserves to compose an institutional profile on Brazil's marine Reservas Extractivas (RESEX)
- Synthesize successful initiatives in co-managed fisheries from around the world to develop a decision-making aid for managers and deliberative board members in Brazil
- Monitor group progress as well as communications with advisory team via Slack and Trello

MARINE EXPERIENCE

Fisheries Consultant – Nature Analytics, Santa Barbara, CA (Remote, 10/20–Present)

- Developed an interactive ShinyApp that allows community members, scientists and managers to create a comprehensive management plan for the Ka'ūpūlehu Marine Reserve in Kona, Hawaii
- Incorporated fishing effort data from West Hawaii from The Nature Conservancy (TNC) and Hawaii Department of Aquatic Resources into the app, using user decisions to create interactive visuals
- Facilitated in depth discussion of bag limits over Zoom during 'Hui' meetings of the Ka'ūpūlehu Marine Life Advisory Committee, incorporating local knowledge and cultural practices into management design

Fisheries Analyst – The Nature Conservancy (TNC), Santa Barbara, CA (Remote, 6/20–10/20)

- Analyzed creel surveys from around the state of Hawaii to support the Fish Path team and the Ka'ūpūlehu Marine Life Advisory Committee in the development of bag limits for the Ka'ūpūlehu Marine Reserve
- Authored technical report synthesizing the analysis of recreational fishing pressure in take-per-trip for Ka'ūpūlehu and surrounding areas of West Hawaii
- Create interactive displays of fishing effort data from The Nature Conservancy and the Hawaii Department of Aquatic Resources to facilitate meaningful discussion

Blue Economy Researcher – Economic Transformations Group, NYC, New York (Remote, 3/20–6/20)

- Conducted interviews with leading experts in fisheries, aquaculture, blockchain and artificial intelligence
- Forecasted opportunities for Blue Economy development in six Caribbean Countries
- Collaborated with researchers from Future of Fish and World Ocean Council to deliver a Caribbean Blue Economy Prospective Study to the Inter-American Development Bank

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MARINE EXPERIENCE (CONTINUED)

Naturalist – Allen Marine Tours, Juneau, AK (5/19–9/19)

- Led educational programming and presentations for up to 150 passengers at a time, informing guests about the history and local wildlife in Southeast Alaska as the second in command on 78' catamaran
- Accountable for emergency management and passenger control and primary line handler, responsible for assisting deckhands in cases of mechanical failure

Marine Science Teaching Assistant – Duke University Marine Lab, Beaufort, NC (seasonally 2017–2019)

- Taught intensive marine science classes for groups of 16 gifted high school students both in laboratories and in the field as part of the Duke Talent Identification Program
- Guided and supervised students through the scientific method for independent research projects

MARINE PROJECTS & RESEARCH EXPERIENCE

Rotational Reserves in French Polynesia – Applied Marine Ecology, UCSB Bren School (01/21–Present)

Designed size structure dive surveys and effort data collection plan for Tautira community in coordination with the Rahui Institute as part of a course project to understand potential impact of the rotational reserve system in French Polynesia.

California Spiny Lobster – Coastal Marine Ecosystem Processes, UCSB Bren School (3/20–6/20)

Analyzed Spiny Lobster catch data in Southern California from 1998–2018 in relation to the establishment of the Marine Reserve Network in 2012 as part of a course project; Conducted Before-After-Control-Impact (BACI) analysis to test for significant changes in Catch-Per-Unit-Effort associated with the reserve network.

Coastal Fieldwork – Universidad de San Francisco de Quito, Galapagos Islands, Ecuador (1/18–5/18)

Conducted underwater transect survey quantifying biodiversity and abundance of benthic communities at four different dive sites in the Galapagos Islands, assisted in the retrieval of long-term temperature loggers, and tagged juvenile reef sharks for a mark recapture survey. Filmed 8 interviews with researchers, students and locals in the Galapagos Islands, discussing impacts of climate change culminated in a mini documentary project.

ADDITIONAL EXPERIENCE

Teaching Assistant – University of California, Santa Barbara (9/19–Present)

Teaching Assistant for UCSB's "Intro to Economics", "Microeconomics" and "Macroeconomics" courses in the Economics department and "Business Strategy" in the Technology Management Program.

Photo and Writing Correspondent – IES Abroad, Ecuador (1/18–5/18)

Authored 9 blog posts chronicling the experience of studying abroad in the Galapagos Islands and publicized environmental issues facing the Galapagos Islands through photos and writing.

Clean Water Education and Outreach– Missouri Coalition for the Environment, St. Louis, MO (5/16–8/16)

Utilize ArcGIS to recover lost functionality and develop educational programs and assisted in the organization of a water policy summit for the state of Missouri.

LEADERSHIP

Director of the Green on Greene – Student Government, Columbia, SC (10/18–05/19)

Designed a week of sustainability programming, bringing students and community members together around complex environmental issues through art and interactive exhibitions.

Chief Advisor to the Student Body President – Student Government, Columbia, SC (05/18–03/19)

Supervised and mentored board of 50 executive cabinet members, overseeing executive branch initiatives for the year.

SKILLS & CERTIFICATIONS

Programs: R Software; Adobe Premiere Pro; Microsoft Excel, Word and PowerPoint; Zoom; Box; Google Drive; Trello; Slack

Certifications: PADI Open Water Diver

Languages: Basic Spanish