

Carrie Schuman

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Professional Summary

- Flexible, creative individual with years of experience in STEM and teaching students across a range of subjects and education levels
- Experience in lesson planning and generating engaging science content in support of course objectives and student learning outcomes
- Independently seeks continued pedagogical training for ways to innovate, update, and elevate teaching skills

Most Relevant Employment

Visiting Assistant Professor; Marine Science Program; Coastal Carolina University; Aug 2019 – May 2020

- Used in-person and online delivery – including active learning techniques when possible – to engage undergraduate, honors, and graduate students in marine biology, fisheries, and marine mammal content
- Collaborated with other CCU faculty to plan logistics and standardize content within core courses
- Empathetically, and respectfully employed a high-level of communication with approximately 60 unique students each semester and provided additional support in the form of advice and letters of recommendation

AAAS Mass Media Fellow/Summer Journalist; American Association for the Advancement of Science (AAAS)/San Luis Obispo Tribune; Summer 2019

- Received journalism training and advice from professionals associated with multiple publications including Science Magazine, Smithsonian Magazine, and National Geographic
- Adapted to working and collaborating with staff in a fast-paced newsroom while learning what regional issues resonated with readers and forging important local contacts
- Leveraged science storytelling skills to write deep-dive articles about coastal issues – often featured in multiple California newspapers – including a piece on the intersection of climate change and local oyster farming that won 2nd place for agricultural print reporting in the 2019 California Journalism Awards Contest

Course Instructor, Teaching Assistant; University of Florida; Aug 2012 – May 2019

- Served as instructor or teaching assistant for 9 semesters of undergraduate and graduate level of courses focused on varying topics including climate change, conservation biology, and environmental science
- Provided insightful and constructive feedback while editing and grading student work
- Mentored students including writing letters of recommendation and brainstorming productive strategies and points of contact in support of their extracurricular and career-driven interests and pursuits

National Science Foundation GK-12 Teaching Fellow; UMASS Boston, Boston Public Schools; Sep 2005 – May 2008

- Developed and taught differentiated engaging hands-on inquiry-based science lesson plans to high school, middle school, and kindergarten students in 3 different Boston public schools
- Aligned content with state and national science standards in order to contribute to student's total STEM learning outcomes for the academic year
- Engaged in regular pedagogical training including use of the 7e model, Project Wet lesson plans, and other varied instructional techniques

Additional Employment

- **Post-graduate Researcher, Research Assistant;** Touch Interaction for Data Engagement with Science on Spheres (TIDESS) Project; University of Florida; Aug 2017 – May 2019
- **Assistant Curator;** Center for the Culture of Marine Algae & Microbiota, Bigelow Laboratory for Ocean Sciences; May 2010 – Aug 2012
- **Restoration Technician/Intern;** New Hampshire Coastal Program, Dept. of Environmental Services; Jun – Dec 2010
- **Tutor/Teacher;** Independent (2008-current), Tried & True Tutoring (2014-2015), Sylvan Learning (2009-2010), Bedford, Salem, Nashua, NH School Districts (2009-2010), Kaplan (2008-2009)

Education

- **PhD** Interdisciplinary Ecology, focus: Fisheries and Aquatic Sciences; Tropical Conservation and Development Certificate; Great Teaching Certificate; University of Florida; Dec 2018; 3.90 GPA
- **MS** Marine Science and Technology; University of Massachusetts Boston; 2005 – 2008; 3.93 GPA
- **BS** Marine and Freshwater Biology; English minor; University of New Hampshire; 2001- 2004; 3.68 GPA – Magna Cum Laude

Select Accomplishments, Projects, & Volunteering

- Awarded a mixture of 19 unique grants, scholarships, and travel awards (with some also awarded multiple years) that generated approximately \$44,000 for research costs, conference travel, and living expenses during the course of my PhD
- Since the start of my PhD, contributed to or independently produced 12 oral presentations, 10 research posters, and 6 scientific journal articles, with 3 more first-author scientific manuscripts currently in progress
- Member or officer (secretary, treasurer, vice president) for 4 different graduate student organizations while serving on multiple committees, and helping to plan workshops, research symposia, and panels
- Mentored a high school freshman student for project that won first place overall in senior environmental category of the 2016 Florida State Science and Engineering Fair
- Completed training as a NAUI SCUBA dive instructor with certifications in basic and advanced SCUBA, Nitrox, Rescue Diver, Research Diver, and Cavern Diver
- Served as a university leader for an International Student Volunteers natural resources services trip to New Zealand in Summer 2015
- Served as a site leader for a Florida Alternative Break marine conservation trip to the Reserva Natural Isla Juan Venado in Nicaragua, and then subsequently raised funds and produced an ecotourism brochure for the reserve as part of a Sea Grant internship/UF TCD practitioner project
- Past training in Wilderness First Aid and as a Wilderness First Responder
- Acted as a member of the Coast Guard Auxiliary in Boothbay Harbor, ME from 2010-2013