

STEFENIE F. SHENOY

Arlington, VA | 321-274-7096

EDUCATION

Master of Science, Environmental Science

Expected: August 2022

University of Maryland Center for Environmental Science
Maryland Sea Grant Research Fellowship awardee

Bachelor of Science, Marine and Atmospheric Science,

May 2019

University of Miami Rosenstiel School of Marine and Atmospheric Science
James Cook University, Queensland, Australia – exchange semester

WORK EXPERIENCE

Graduate Research Assistant

Aug 2020–current

Chesapeake Biological Laboratory | Solomons MD

- Developed modules for a hydrodynamic and biogeochemical numerical model quantifying nitrogen cycling on oyster aquaculture farms.
- Processed and managed data for a 2-year project, which included conducting visual and statistical data analysis using MATLAB and R programming.
- Independently produced annual reports for external funding agency.
- Co-managed a long-term NOAA data set requiring biweekly sampling and analysis. Used data to validate a numerical model.

Math Fellow, AmeriCorps

Nov 2019–June 2021

Saga Education, Ron Brown High School | Washington D.C.

- Developed and delivered lesson plans for 9th and 10th-grade math classes in a Title 1 school. Lead teacher for 12 students and secondary teacher for 9 students.
- Increased attendance rates for more than 50% of students from the first quarter to the second quarter of employment.
- Managed student performance data including quarterly transcripts, attendance, local and national exams scores, and progress via an online math learning software.

Education and Conservation Associate

April 2019–Aug 2019

Miami Seaquarium | Key Biscayne, FL

- Designed educational materials for 2 new aquarium exhibits including signage, scripts, and voiceovers for informational audio and live presentations.
- Presented on scientific topics to weekly visiting school groups ranging from 5 to 30 persons.

Environmental Educator

June 2018–Sept 2018

Grassy Waters Preserve | City of West Palm Beach, FL

- Conducted weekly fieldwork for invasive species removal and protected species monitoring.
- Co-authored annual reports to provide restoration and watershed management recommendations for the City of West Palm Beach.
- Researched the consequences of interacting local and state environmental policies on local watershed management.

LICENSES AND CERTIFICATIONS

Science Diver under the auspices of the University of Miami (May 2019)

Meeting requirements of the American Academy of Underwater Sciences (AAUS)

VOLUNTEER EXPERIENCE

Biology Workshop Leader

Jan 2019–May 2019

Department of Biology, University of Miami

- Taught a group of undergraduate students as part of an ecology and evolutionary biology course
- Facilitated group discussions, created assessments, and graded assignments weekly.

PRESENTATIONS

Shenoy, S., J. Testa, and L. Harris. November 2021. Quantifying nitrogen removal in cultured oyster communities under different hydrodynamic conditions. Summary presentation at the meeting of Coastal and Estuarine Research Federation. Virtual.

Shenoy, S....I. Aklestad. November 2021. Fellow Learning Series: Graduate School Applications. Panelist, Saga Education. Virtual.

Shenoy, S. and L. Rodriguez. June 2021. Introduction to MATLAB and numerical modeling. Lecture for students in the Research Experience for Undergraduates at the University of Maryland. Virtual.

AWARDS AND SCHOLARSHIPS

Maryland Sea Grant Research Fellow (2020-2022)

AmeriCorps Education Award (2020)

Grassy Waters Conservancy Grant (2017)

University of Miami President's Scholarship (2015-2019)

ORGANIZATIONAL INVOLVEMENT AND SERVICE

Vice President, Association of Greek Lettered Organizations

Vice President, Panhellenic Association

University Ambassador, Office of Admissions

Peer Counselor Mentor, Rosenstiel School of Marine and Atmospheric Science

Executive Board Panhellenic Delegate, Chi Omega Fraternity

Student Government Board Member, Energy and Conservation Organization