

Education

University of Rochester

Rochester, NY

2012 - 2016 BS Environmental Sciences, *Cum Laude*, High Distinction with High Honors in Research

2016 - 2017 Take 5 Scholar in Digital Media and Art

A competitive 5th year full scholarship program to pursue a unique interdisciplinary set of courses.

Experience

Virginia Institute of Marine Science, College of William & Mary

Gloucester Point, VA

6/2017 - 9/2017 *Multimedia Science Communication Intern*, Virginia Sea Grant

Created short documentaries and multimedia stories related to projects addressing environmental issues in the Chesapeake Bay. Filmed interviews and events, edited video and audio, and handled post-processing.

Massachusetts Institute of Technology

Cambridge, MA

6/2016 - 8/2016 *MIT Summer Research Program Intern*, MIT Media Lab Collective Learning Group

Created a data visualization application in virtual reality using Unreal Engine 4 and Vive. Programmed and designed data visualizations and interactions with the data.

University of Rochester

Fall 2016, 2015 *Teaching Assistant*, Intro to Geographic Information Systems

1/2015 - 5/2016 *Research Assistant*, Kessler Ocean Biogeochemistry Lab

[Senior thesis](#): determined the spatial distribution and magnitude of sea-to-air methane flux in the Gulf of Mexico. Localized areas of highly elevated flux were detected, suggesting that the ocean may be a greater natural source of methane to the atmosphere than previously thought.

1/2015 - 5/2015 *Research Assistant*, Ebinger Active Tectonics and Geophysics Lab

Aggregated seismic refraction/reflection transects in Appalachia to help determine regional earthquake risk.

Spring 2015 *Teaching Assistant*, Intro to Environmental Science

3/2013 - 1/2015 *Sustainability Marketing Intern*, University of Rochester Dining & Auxiliary Services

Designed promotional material and infographics; helped conduct Dining's sustainability education campaigns.

Woods Hole Oceanographic Institution

Woods Hole, MA

5/2015 - 8/2015 *NSF Research Experiences for Undergraduates Fellow*, Wankel Stable Isotope Biogeochemistry Lab

Investigated the impact of Fe(II) on the isotope dynamics of nitrite and nitrous oxide during denitrification.

Community Leadership & Service

University of Rochester

9/2013 - 5/2017 *Secretary*, Art & Art History Undergraduate Council

Organized art exhibitions, hosted public participatory art events, and coordinated museum trips.

4/2013 - 12/2014 *President*, social activist group Students for a Democratic Society

Coordinated a faculty-staff-student community field day, teach-ins/panels, and documentary screenings.

4/2013 - 9/2014 *Publicity Chair; Fundraising Chair*, environmental student group Grassroots

Helped organize, run, and advertise events; coordinated a campus-wide dorm supplies recycling fundraiser.

Honors & Awards

2017 *First Prize winner of Undergraduate Writing Colloquium Contest (Natural & Applied Sciences category)*.

Awarded for senior thesis by the University of Rochester's Writing, Speaking, and Argument Program.

2016 *Annalise Kjolhede Memorial Prize for Academic Excellence in Environmental Sciences*. Awarded by University of Rochester Dept. of Earth & Environmental Sciences.

Technical Skills

Adobe CC (Photoshop, Illustrator, Premiere, Audition, After Effects, InDesign), video production (camera, audio, lighting, post-processing), 3D modeling and animation, ArcGIS, Excel, Java, C, Matlab, HTML/CSS/Javascript.