

## Education

### **University of Rochester**

Rochester, NY

- 2012 - 2016 BS Environmental Science, GPA 3.74/4.00. High Distinction with High Honors in Research
- 2016 - 2017 Take 5 Scholar in Computer Science and Digital Art
- A 5th undergraduate year full scholarship to pursue an interdisciplinary set of courses outside one's major.

## Research

### **Massachusetts Institute of Technology**

Cambridge, MA

- 6/2016 - 8/2016 *MIT Summer Research Program intern*, MIT Media Lab Macro Connections Group
- Created a storytelling experience based on data from the group's project DataUSA in virtual reality using Unreal Engine 4 and Vive. Programmed 3D visualizations of the data and designed the interactions with the data and the narrative structure.

### **University of Rochester**

- 1/2015 - 5/2016 *Research Assistant*, Kessler Ocean Biogeochemistry Group
- Senior thesis:** determined the spatial distribution and magnitude of sea-to-air methane flux in the northern Gulf of Mexico using ArcGIS. Localized areas of highly elevated flux were detected that were previously not observable with available methods, suggesting that localized emissions may have been overlooked at other locations
- 1/2015 - 5/2015 *Research Assistant*, Ebinger Active Tectonics and Geophysics Research Group
- Aggregated and mapped seismic refraction and reflection transects in the Appalachian region to help determine regional earthquake risk as part of the USGS Earthquake Hazards program.

### **Woods Hole Oceanographic Institution**

Woods Hole, MA

- 5/2015 - 8/2015 *Summer Student Fellow*, Wankel Stable Isotope Biogeochemistry Group
- Received NSF Research Experience for Undergraduates fellowship. Investigated the impact of Fe(II) on the isotope dynamics of nitrite and nitrous oxide during simultaneous denitrification and chemodenitrification in anaerobic estuarine sediment incubations.

## Teaching & Employment

### **University of Rochester**

- Fall 2016, 2015 *Teaching Assistant*, Intro to Geographic Information Systems
- Facilitated in-class labs in ArcGIS and created and graded homework.
- Spring 2015 *Teaching Assistant*, Intro to Environmental Science
- Led two recitation sections per week and graded homework and exams.
- 3/2013 - 1/2015 *Team Green Marketing Intern*, University of Rochester Dining & Auxiliary Services
- Worked on Dining Services' sustainability initiatives; facilitated special events, designed promotional material and infographics, and participated in educational outreach at Rochester Museum and Science Center.

## Community Leadership & Service

### **University of Rochester**

- 1/2016 - 5/2016 *Volunteer Tutor*, Refugee Student Alliance
- Tutored former refugee students in grade-school through college in a range of subjects.
- 4/2013 - 12/2014 *President*, social activist group Students for a Democratic Society
- Coordinated a faculty-staff-student community field day, guest-speaker teach-ins, documentary screenings, and other events; facilitated weekly meetings and managed administrative tasks.
- 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
- 9/2013 - *Secretary*, Art & Art History Undergraduate Council.
- Organized art exhibitions, hosted public participatory art events, coordinated museum trips, advised students on art and art history courses, and connected students to other art-related opportunities.

## Honors & Awards

- 2016            *Annalise Kjolhede Memorial Prize for Academic Excellence in Environmental Sciences*. Awarded by the Department of Earth & Environmental Sciences at graduation to one Environmental Science major.
- 2016 - 2017    *Take 5 Scholar*, University of Rochester.
- 2015            *Research Presentation Award*, University of Rochester. Travel grant to present REU research at the American Geophysical Union Fall Meeting 2015.
- 2012 - 2016    *Prince Street Scholarship*, University of Rochester. Annual arts achievement merit scholarship.
- 2013 - 2015    *Dean's List*: Fall 2013, Fall 2014 - Spring 2016.

## Presentations

- 12/2015        **Diaz-Etchevehere, D.A.**, Wankel, S.D. *The Impact of Fe(II) on NO<sub>2</sub><sup>-</sup> Isotopic Composition During Denitrification by Natural Sediment*. American Geophysical Union Fall Meeting, San Francisco, CA.

## Memberships

- 2015 -           American Geophysical Union.

## Technical Skills

C, Java, Matlab, Unreal Engine 4, GameMaker: Studio, Blender, ArcGIS, Adobe Creative Suite, front-end web development.