

Education

University of Rochester

Rochester, NY

2012 - 2016

BS Environmental Science, GPA 3.77/4.00. High Distinction with High Honors in Research

2016 - 2017

Take 5 Scholar in Digital Media and Computer Science

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 Collective Learning 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

Spring 2017

Muralist, Rush Rhees Library

Commissioned to paint two 165" x 127" murals.

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

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.

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.

Honors & Awards

2017 *First Prize winner of Undergraduate Writing Colloquium Contest for senior thesis (Natural & Applied Sciences category)*. Awarded by the University of Rochester's Writing, Speaking, and Argument Program.

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 - Fall 2016.

Presentations

4/2017 **Diaz-Etchevehere, D.A.**, Kessler, J.D. *High Resolution Analyses Reveal Elevated Sea-to-air Methane Fluxes in Localized Areas in the Gulf of Mexico*. Poster presentation at the Undergraduate Research Expo, University of Rochester.

8/2016 "Data-driven Storytelling in Virtual Reality: a Journey through U.S. Cities." MIT Summer Research Program presentations. MIT Media Lab, Cambridge, MA.

12/2015 **Diaz-Etchevehere, D.A.**, Wankel, S.D. *The Impact of Fe(II) on NO₂⁻ Isotopic Composition During Denitrification by Natural Sediment*. Poster presentation at the American Geophysical Union Fall Meeting, San Francisco, CA.

Memberships

2015 - American Geophysical Union.

Technical Skills

Java, C, Matlab, Unreal Engine 4, GameMaker: Studio, 3D modeling and animation (Blender), ArcGIS, Adobe Creative Suite, HTML, CSS, Javascript.

Art Exhibitions

(all group shows in Rochester, NY)

2017 The Hartnett Gallery Undergraduate Exhibition. University of Rochester.

2017 Art Awake. University of Rochester.

2016 Independent Variables: Independent Study Showcase. University of Rochester.

2016 Fairness: the Paul J Burgett Intercultural Center Exhibition. University of Rochester.

2016 Art Awake. The Metropolitan building.

2016 Active Minds' HeART of Disorder. University of Rochester.

2015 University of Rochester Arts Bus. Rochester Fringe Festival.

2014 Say Something! GlobeMed Art Gala. Art Museum of Rochester.

2013 IMPACT! GlobeMed Art Gala. Art Museum of Rochester.

2013 Art Awake. The Sibley building.