

## 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 Art

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

## Experience

### **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 the group's project DataUSA in virtual reality using Unreal Engine 4 and Vive. Wrote the narrative, programmed data visualizations, and designed interactions with the data.

### **University of Rochester**

Spring 2017 *Muralist*, Rush Rhees LibraryFall 2016, 2015 *Teaching Assistant*, Intro to Geographic Information Systems1/2015 - 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 Research Lab

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

Spring 2015 *Teaching Assistant*, Intro to Environmental Science3/2013 - 1/2015 *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 the Rochester Museum and Science Center.

### **Woods Hole Oceanographic Institution**

Woods Hole, MA

5/2015 - 8/2015 *NSF Research Experience 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.

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, 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 & Second Prize winner*, Gollin Film Festival. Awarded by U of R Film & Media Studies Dept.2017 *Professors' Choice Award (Engineering & Applied Sciences category)*. Awarded for poster presentation of senior thesis by the University of Rochester's Office of Undergraduate Research at the 2017 Research Expo.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 the Department of Earth & Environmental Sciences at graduation to one Environmental Science major.
- 2016 *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.

## 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 NO<sub>2</sub><sup>-</sup> Isotopic Composition During Denitrification by Natural Sediment*. Poster presentation at the American Geophysical Union Fall Meeting, San Francisco, CA.

## Technical Skills

Adobe CC, 3D modeling and animation (Blender), audio editing (Audacity), Java, C, Matlab, Unreal Engine 4, GameMaker: Studio, ArcGIS, web dev.

## Memberships

- 2015 - American Geophysical Union.

## References

**John Kessler**, Associate Professor, Dept. of Earth & Environmental Sciences, University of Rochester  
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Senior thesis advisor.

**Cynthia Ebinger**, Marshall-Heape Chair in Geology, Dept. of Earth & Environmental Sciences, Tulane University  
cebinger@tulane.edu  
Research supervisor at Active Tectonics and Geophysics Lab and senior thesis committee reader.

**Takahito Ito**, Visiting Scientist at MIT Media Lab and Video Engineer at Japan Broadcasting Company (NHK)  
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Research advisor at MIT Media Lab's Collective Learning Group during MIT Summer Research Program.