

Education

Master of Environmental Science and Management *Expected June 2022*
University of California, Santa Barbara - Bren School of Environmental Science & Management
Relevant coursework: *Statistics & Data Analysis for Environmental Science and Management, Advanced Data Analysis, Geographic Information Systems, Earth System Science*

Bachelor of Science in Computer Science *May 2014*
University of Connecticut - School of Engineering, minored in Digital Arts

Experience

Data Team Intern – NCEAS *October 2020 – Present*

- Working with the NSF Arctic Data Center team to help catalog Arctic-related research into the DataONE network.
- Interfacing with researchers to assist in the curation of and application of metadata onto data packages that are submitted to the Arctic Data Center repository using R and EML.
- Helping to expand functionality of the open-sourced EML package by developing code contributions to its R functions and shiny apps.

Software Engineer – Flashtalking *May 2019 – September 2020*

- Hired as a full stack developer, employing skills with a vast spectrum of technologies to build front and back end solutions in tangent with one another.
- Lead developer for a new internal tool that consisted of a React web interface and accompanying Java/Spring API to handle admin-level provisioning of company's employees and clients.

Software Engineer – Rocket Fuel, Inc *October 2014 – May 2019*

- Member of a small, focused team of engineers implementing front-end and back-end requirements for the company's web applications: a Data Management Platform for advertising campaigns.
- Cross-functional collaboration with Product Management, Quality Assurance, and other teams within engineering to deliver software enhancements from conception to completion through the development pipeline.

Student Developer - IBM Smarter Water Application *September 2013 – May 2014*

- Developed an iOS and Android application using web and mobile technologies on IBM's proprietary cross-platform development suite.
- Created python scripts for parsing and manipulation on large quantities of data from the IBM Smarter Water database.

Skills

Programming:

Java, Oracle RDBMS, MySQL, R, Python, JavaScript, XML, React/Redux, HTML5, CSS

Applications & Frameworks:

RESTful Web Services, Spring, Apache/Tomcat, Git, RStudio, Bitbucket, IntelliJ, Eclipse, Jenkins

