

Michael Wheeler

Available: May – Dec. 2018

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<http://mike-wheeler.io/>

Education

Northeastern University; Boston MA

Sept. 2016 – May 2021

College of Computer and Information Science – Candidate for a Bachelor of Science in Data Science

Courses: Object-Oriented Design; Data Collection, Integration, and Analysis; Database Design; Probability and Statistics

Activities: Photographer for The Huntington News; NuHacks; Service Learning; BostonHacks (2017) and HuskyHacks (2016 and 2017)

Honors: **GPA 3.3/4.0**; University Scholar

Computer Knowledge

Languages: *Proficient in:* Python; *Familiar with:* Java, R, HTML5, CSS3, JavaScript,

Databases: MySQL, MongoDB **Frameworks:** *Proficient in:* Django; *Familiar with:* Angular

Tools: *Familiar with:* Unix, bash, Git, Subversion, LaTeX, XPath

Other: *Fluent in spoken and written Spanish*

Work Experience

Computational Modeling in Chemical Engineering Group; Boston MA

Jan. 2017 – Present

- Work as a Django developer under the direction of Dr. Richard West of Northeastern University
- Restructure and evaluate data models in the Django framework with the goal of developing a website for storing computational chemistry information
- Communicate with chemistry students to understand their web application and visualization needs
- Onboarded a new developer and taught him the basic concepts of Django

Woods Hole Oceanographic Institution; Woods Hole, MA

June 2016 – Aug. 2017

- Oversaw pilot testing of a new custom circuit board (WHOI 205118a Intel Edison interface); made decisions on default configurations, communicated results and recommendations to Group leaders, and wrote the board's User Manual to be sent to the Group's collaborators
- Developed and maintained testing scripts for the custom sonar modems, added live data visualizations to a Django web application that improved the ability to analyze testing data
- Deployed scripts for live data receiving and cleaning as part of DARPA's Future Arctic Sensing Technology project; communicated results to engineers to enhance their ability to make real-time system improvements
- Enhanced clarity and readability of WHOI MicroModem documentation

Boston Housing Authority; Boston, MA

Oct. 2016 – June 2017

- Served as a Volunteer Spanish Interpreter for the Office of Community Engagement and Civil Rights
- Independently managed phone calls in real time from Spanish-speaking residents and applicants
- Provided interpretive services on-demand for social workers meeting with residents
- Engaged with residents during housing development meetings and community outreach events

Interests

Enjoy cooking and photography; scrape recipes from cooking websites in spare time