

## Employment

Software EngineerGenWest Systems Inc.2014 - Present Front-end Engineer for NOAA's Emergency Response Division

- Develop tools and front-end assets to fulfill NOAA ERD's technological needs
- Develop alongside team members creating a Python API and computational layer that interfaces with the client-side application

Teaching AssistantCode FellowsMarch 2014

- Assisted students learning web development with an emphasis in JavaScript.

## Education

Corvallis, OROregon State UniversitySpring 2015 – July 2018

- B.S. in Computer Science, July 2018 (Expected). In-major GPA: 4.0
- Undergraduate Coursework: Databases; Algorithms; Comp. Architecture; Web Development; Discrete Mathematics.

Ann Arbor, MIUniversity of MichiganFall 2005 – June 2009

- B.S. in Environmental Science Minors in Mathematics and Physics, June 2009.
- Undergraduate Coursework: Introduction to Mechanics, Introduction to Electricity and Magnetism, Calculus, Differential Equations, Non-linear Dynamics.

## Technical Experience

### Projects

- **Web GNOME Client** (2014 - Present). Working on a Backbone JavaScript that interfaces with a Python/Pyramid JSON API. Project code: <https://github.com/NOAA-ORR-ERD/WebGnomeClient>.
- **Relative Importance Canvas Widget** (2015). Created a relative importance widget using the JavaScript Canvas API. Project code: <https://github.com/NOAA-ORR-ERD/relativeimportance>.
- **Flotneedle** (2015). Created a Flot plugin that draws tooltip values for graphs as the user mouses over. Project code: <https://github.com/NOAA-ORR-ERD/flotneedle>.

#### Additional Experience and Awards

- **Second Place, Lincoln Labs Hackathon:** Worked on a five person team producing a Google Chrome plug-in that shows political contributions. Code can be viewed at: <https://github.com/ammiranda/political-annotations>.

#### Languages and Technologies

- JavaScript; Python; C++; C; Java; SQL; HTML; CSS; LESS;
- Sublime Text; Linux (Debian, CentOS); Bash;