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Alexander Miranda

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Employment

Software Engineer	**GenWest 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 a Python API and computational layer that interfaces with the client-side application
- Work Github account: https://github.com/alexmiranda-NOAA

Teaching Assistant	**Code Fellows**	**March 2014**

- Assisted students learning web development with an emphasis on JavaScript.
- Consulted with instructor to ensure course benchmarks were being met.

Education

Corvalis, OR	**Oregon State University**	**Spring 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, MI	**University of Michigan**	**Fall 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 application 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** (2014) Worked on a five person team producing a Google Chrome plug-in that shows political contributions. Project code: https://github.com/ammiranda/political-annotations.

Languages and Technologies
- JavaScript; Python; C++; C; Java; SQL; HTML; CSS; LESS;
- Sublime Text; OSX; Linux (Ubuntu, CentOS); Bash; AWS; Digital Ocean;