Alexander Miranda

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EDUCATION

UNIVERSITY OF MICHIGAN
BS in Environmental Science
May 2009 | Ann Arbor, MI

OREGON STATE UNIVERSITY
BS in Computer Science
Incomplete | Online

LINKS

Github:// **ammiranda**
LinkedIn:// **alexmmiranda**
Blog:// **ammiranda**

COURSEWORK

UNDERGRADUATE
Databases
Data Structures and Algorithms
Web Development
Networking
C/C++

SKILLS

PROGRAMMING
Proficient:
JavaScript • React.js • Backbone.js
CSS3 • HTML5 • Enzyme • Jest
React-testing-library • Python • Git • Go
MongoDB
Familiar:
Java • C • C++ • SQL • SQLite

EXPERIENCE

ISTREAMPLANET | Software Engineer
December 2017 – Present | Seattle, WA

- Worked on Go microservices relating to content management, user management and authentication
- Worked on the team that created the Orbis Web Portal project which has become a preeminent offering to our customers when administering their Orbis backed applications, built using React Redux.
- Founding engineer on the Spark desktop and mobile web application built using React Redux with Redux Saga middleware.
- Serve on-call shifts to ensure Orbis services provided close to 100% uptime to fulfill all of our SLAs.

ZILLOW | Software Engineer
Dec 2016 – Aug 2017 | Seattle, WA

- Developed feature to convert mobile web users to use Zillow's native mobile applications, increasing retention rate by over 10% utilizing JavaScript, React.js, YUI, Java and Apache Tapestry.
- Wrote 15+ integration tests using Python and Selenium for each implemented new feature for Zillow's site, achieving over 90% code coverage.
- Refactored reg/login UI to handle 50% expansion of pro-type users on Zillow using JavaScript and React.js.
- Followed agile development methodology on team of 7, assisting with code reviews using Git and sprint planning on a twice monthly basis.

GENWEST SYSTEMS | Software Engineer
Jul 2014 - Dec 2016 | Seattle, WA

- Engineered platform to provide UI for individuals to perform trajectory and weathering models for disaster response using JavaScript, Backbone.js, and AJAX, used by government officials, US Coast Guard, and academics.
- Created Python RESTful API to interface with client-side single page application to provide access to C++ based oil spill computational models.
- Designed UI widget to provide users breakdown on which aspects of environment should take priority for clean-up efforts using JavaScript and the Canvas API.
- Crafted data visualization dashboards with JavaScript, OpenLayers3 and Flot.js to provide mapping component, spill volume and time span graphs for users to better understand output from computational model runs.
- Extended existing Backbone.js platform to provide over 60% more forms and functionality for more granular data entry while running models.

AWARDS

2014 2nd Place, Lincoln Labs Hackathon, source code