

# Alexander Miranda

<https://ammiranda.com>  
alexandermichaelmiranda@gmail.com | 407.462.9753

## 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:

Go • React.js • MySQL • JavaScript  
HTML5 • MongoDB • Python • Git  
CSS3 • Jest • d3.js • flot.js • Openlayers3

Familiar:

Java • C • C++ • SQLite • PostgreSQL  
Redis

## AWARDS

2nd Place, Lincoln Labs Hackathon, 2014  
source code

## EXPERIENCE

### PERSEFONI | SENIOR SOFTWARE ENGINEER

March 2022 - Present | Remote

- Spearheaded the development of data-intensive Go-based APIs supporting the main accounting platform, ensuring scalability and performance to meet growing demands.
- Designed and implemented SQL queries for data analytics displayed in the client application and via spreadsheet exports, enabling data-driven decision-making for clients.
- Developed a new external reporting feature tailored for Japanese statutory compliance, expanding the platform's market reach and regulatory compliance capabilities.
- Successfully ported API endpoints from a legacy application into the current platform application, streamlining processes and enhancing maintainability.

### ISTREAMPLANET | SOFTWARE ENGINEER

December 2017 – March 2022 | Remote

- Led the development of Go microservices for content management, user management, and authentication, enhancing the scalability and performance of the platform.
- Contributed to the creation of the Orbis Web Portal project, a flagship offering for customers, utilizing React Redux for seamless administration of Orbis-backed applications.
- Played a pivotal role as a founding engineer on the Spark desktop and mobile web application, leveraging React Redux with Redux Saga middleware to deliver a robust and user-friendly experience.
- Ensured close to 100% uptime for Orbis services by participating in on-call rotations, resolving critical issues promptly to meet SLAs.

### ZILLOW | SOFTWARE ENGINEER

Dec 2016 – Aug 2017 | Seattle, WA

- Spearheaded the development of a feature that transitioned mobile web users to Zillow's native mobile applications, resulting in a 10
- Implemented rigorous integration testing practices, writing 15+ tests per feature using Python and Selenium, achieving over 90
- Optimized the registration/login user interface to accommodate a 50
- Collaborated in an agile team of 7, actively participating in code reviews, sprint planning, and maintaining Git workflows to deliver features on schedule.

### GENWEST SYSTEMS | SOFTWARE ENGINEER

Jul 2014 - Dec 2016 | Seattle, WA

- Engineered platform for trajectory and weathering models, serving government and academic users.
- Developed Python RESTful API for seamless integration with C++ computational models.
- Designed UI widget for prioritizing environmental cleanup efforts.
- Created interactive data visualization dashboards for better model understanding.
- Expanded functionality of Backbone.js platform by over 60% for enhanced data entry.