Alex Ngo

Full Stack Engineer // Student

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SKILLS

LANGUAGES

JavaScript (Advanced)
Python (Intermediate)
Java (Intermediate)
Ruby (Intermediate)
R (Basic)

WEB DEVELOPMENT

HTML5 (Advanced)
CSS3 (Intermediate)
Node.js (Intermediate)
Ruby on Rails (Intermediate)

FRAMEWORKS/LIBRARIES

React (Advanced)
Redux (Advanced)
AngularJS (Intermediate)
jQuery (Intermediate)
D3.js (Basic)

TOOLS

Git (Intermediate)
Webpack (Intermediate)

OPERATING SYSTEMS

OS X (Intermediate)
Windows (Intermediate)
Linux (Intermediate)
Android (Basic)

CONCEPTS

Functional Programming
Object-Oriented Programming
SQL Databases
NoSQL Databases

EDUCATION

University of Washington — Seattle, WA

Senior

- Major: Informatics
- Cumulative GPA: 3.72
- Dean's List (9 Quarters)

WORK EXPERIENCE

TUNE — Seattle, WA

(July 2015 - Sept 2015)

Software Engineer Intern

- Used React to build App Store A/B Testing application, utilizing ES6 syntax and using Redux w/ Immutable.js to control data flow throughout application
- Worked with Ruby on Rails to create backend to handle A/B testing
- Implemented event tracking engine in JavaScript, which tracks user engagement on A/B test pages
- Redesigned mock App Store page to look and behave like actual iOS App Store using JavaScript and Sass

PROJECTS

Missed Connections for Jerks

(Oct 2015 - Present)

Web Application — Node.js, Koa, React.js, Redux, Socket.io, RethinkDB, Redis

- Utilized React to create a location-based single page web application allowing users to post missed connections regarding their negative experiences
- Used Redux with immutable data structures to implement a unidirectional data flow
- Implemented realtime updating using sockets to allow bidirectional communication between the Node backend and frontend
- Dealt with rate limiting through the caching of API responses in Redis

Everything Sports

(Oct 2014 - Dec 2014)

Web Application — AngularJS, JavaScript, Python, D3.js

- Created web application using Angular to provide tools for Fantasy Basketball
- Implemented web crawler in Python to obtain NBA player statistics
- Utilized D3.js to create graphical visualizations comparing player's statistics

Yelp Dataset Challenge

(Oct 2015 - Dec 2015)

Data Science — Python, R, JavaScript

- Leveraged multiple techniques to attempt to find the value in "tips", such as linear regression, topic modeling, and analyzing polarity
- Stored and queried data provided by Yelp, in a RethinkDB instance
- Used Markov Chains to generate pseudo random tips and reviews to determine if tips and reviews could be differentiated textually