Michael Owens

Software Engineer – 510.368.9060 – anpganpg@gmail.com

Skills

- JavaScript, Express, jQuery, CSS, HTML, Bootstrap, Node, Backbone, postgreSQL, Java, C, C++, Objective-C, iOS, R
- Persistent, hard working, fast learner

Experience

Tradecraft (Feb 2015 – Current, San Francisco)

16 intense weeks developing software engineering skills in a cross functional environment to succeed in high-growth startups

Learned – Node.js, Backbone.js, Heroku, Testing, postgreSQL, iOS

Improved – JavaScript, jQuery

Project 1: Traction.is - *Github meets Wikipedia Tradecraft*
- Stored website content, users, and permissions using postgreSQL
- Defined endpoints and database query calls using node.js to supply backbone.js models with data
- Setup MVP architecture and handlebars as a template engine using backbone.js to easily call data from JSON object

Project 2: Mentos - *Booking speakers and creating Google events made easy*
- Implemented OAuth 2.0 in Express to access Google calendar API to create events filled in with dynamic data on behalf of the user
- Used node.js and Google spreadsheets API to manage user-inputted data to read from a Google spreadsheet and display its data on a styled web page and to take user's input from a Google form to write to a spreadsheet

UC Davis Medical Center Wan Lab (Feb 2014 – Oct 2014)

Used R to generate heat maps and perform correlation studies on the ratio of gut microbiota to gene expression

UC Davis Pamela Ronald Lab (Jan 2013 – Sept 2013)

Peking Union Medical College Zhang Lab (May 2012 – Sept 2012)
- Used R to perform genetic analysis on human samples at China's #1 medical school

Berkeley Starcraft Website (Jan 2009 – May 2009)
- First website reached ~300k page views and was referenced on **Wired** and **Kotaku**
- Regular content updates

Education

University of California, Davis (Sep 2009 – Dec 2014)
- Programming and Problem Solving - Wrote projects in C
- Software Development and Object-Oriented Programming - Wrote projects in C++
- Computer Organization and Programming - Wrote projects in assembly
- Computer Structure and Assembly Language - Wrote projects in MIPS
- Data Structures and Programming - Wrote data structures in C++
- Theory of Computation
- Introduction to Artificial Intelligence - Wrote AI in Java

Interests and Side Projects

Pitch-Perfect iOS – An app that uses iOS 8 AVFoundation to record a message and play the audio back through user-selected filters.

Judo – competed for 4 years at state and national levels