Daniel Robert Dalton

3650 Judah Street, 2
San Francisco, CA 94122
916-952-7500

dannyrdalton@gmail.com
dannyrdalton.com
github.com/dannyrdalton
linkedin.com/in/dannyrdalton

Education

- **Stanford University** — Stanford, CA
  Bachelor of Science, Computer Science; GPA: 3.30 — *Sept. 2009 – June 2013*

Skills

Technologies: Javascript (ES5 and ES6), Angular.js, ReactJS, Redux, jQuery, Underscore.js, HTML5, CSS3, SASS, Grunt, Gulp, Webpack, Karma, Jasmine, D3js, SQL, MongoDB, Redis, Riak, Node.js, Ruby on Rails, Git, Socket.io, Amazon Web Services, Heroku, Objective-C, OpenGL, ChucK

Software: Xcode, Sublime Text, UNIX/Linux, Chrome Web Tools, Eclipse IDE, GCC, GDB, Vim

Concepts: Object Oriented Analysis and Design, REST, MVC Design Pattern, Resuable UI Components, Rapid Prototyping, Code Refactoring, Relational Database Design, UML, Agile Software Development, Lean Software Development, Pair Programming, Scrum, Test-Driven Development

Software Engineering Projects

Quantified-Self Nutrition Application: Led front-end web development and was a primary back-end developer for NutriSelf, a comprehensive and engaging nutrition application that allows the user to track their health and both promotes and rewards healthy habits. The front-end was built using Angular.js and D3.js and the back-end contained a RESTful API built using Node.js.

Crowdsourced Visualizer: Led front-end development and was a primary back-end developer for **Instrumental**, a web application which had its front-end built using HTML5, CSS3, and jQuery, and its back end built using Node.js and Socket.io. With Instrumental, any user can host a visualizer, and each individual user that connects to that visualizer has the ability to influence what is displayed on the screen.

Text-to-Music Interpreter This program was developed in two parts: the first a Python program that takes a text file as input and outputs a text file containing metrics about the input text; the second a ChucK program that reads these text metrics files, creates drum and synth loops based on the metrics, and maps these loops to the keyboard so they can be triggered in real time.

Work Experience

- **Stitch Labs** — San Francisco, CA
  Software Engineer — *October 2013 - September 2016*
  - Built, debugged, tested, and maintained the front-end of the company's client-facing SAAS web application. Worked closely with product managers, designers, and other developers to design, implement, QA test, A/B test, and iterate on new features in the client-facing application. Coordinated with support staff in order to identify and resolve bugs that were missed in the initial QA process. Interviewed, hired, and onboarded all new front-end dev hires.
- **Futuregift Corp.** — San Francisco, CA
  CTO — *February 2015 - December 2015*
  - Architected, built, debugged, tested, and maintained both back-end and front-end of the company's MVP web application using Angular.js 1.3 and Loopback 2.8 (a node.js framework). Managed overseas development team that worked on exclusively on the HTML and CSS of the front-end MVP web application. This MVP enabled the co-founders to raise an angel round and sign 25 exclusive product partners.
- **Leadfactors, LLC** — Palo Alto, CA
  iOS Engineer — *May 2013 - September 2013*
  - Rapidly developed multiple iterations of iPad application prototype from scratch. Designed modular, reusable components to be used to help accelerate future prototype development. Coordinated with back-end developer to determine necessary and useful RESTful API calls.