

PROJECTS

Nightscapes • Full Stack • Ruby, Rails, React, Redux

[Live](#) | [GitHub](#)

A single-page web application inspired by 500px and designed for astrophotographers

- Leveraged React/Flux architecture to provide information on demand without load-time
- Selectively engineered frontend data store to minimize AJAX requests

Soundwaves • Frontend • JavaScript, Canvas, HTML5

[Live](#) | [GitHub](#)

Virtual synthesizer and sample player with real-time audio visualizer

- Optimized efficiency 40x by leveraging event delegation
- Converted audio frequency and wavelength data to animated Canvas visualizations

LegislateMe • Full Stack • React Native, Python

[Live](#) | [GitHub](#)

Mobile application for easily staying up to date with local politics and contacting representatives

- Built custom scraper and classifier in Python to categorize bills
- Identified user's local representatives by routing their address through Google Maps and Open States APIs
- Designed and implemented interactive elements to increase user engagement

SKILLS

Ruby
Redux

Rails
SQL

JavaScript
RSpec

jQuery
HTML5

React.js
CSS

R
Git

React Native
AJAX

EXPERIENCE

Data Science Intern • Monja

2015-2016 • San Francisco, CA

- Used R to build, test, visualize, and present a [survival analysis model](#) of Lending Club data that explored and predicted time-dependent trends in populations who prepaid or defaulted on personal loans

Marketing, Analytics & Research • Fruit Street Health

2014 - 2015 • Richmond, CA

- Introduced a new data-extraction tool that streamlined our lead-gathering process by 70%
- Analyzed data to visualize and communicate effectiveness of marketing and outreach campaigns

Executive Assistant • Topline Incubator
CA

2014 - 2015 • Richmond,

- Designed new company website with a seamless UI, increasing marketing traction by 20%
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EDUCATION

App Academy

2017 • San Francisco, CA

- Intensive full-stack web development course (< 3% acceptance rate)

University of California, Berkeley

2010-2014 • Berkeley, CA

- B.A. Applied Mathematics, Biomathematics Concentration, 3.58 Major GPA
- Curriculum Highlights: Data Structures, Computational Models of Cognition, Intro to Computer Programming, Discrete Mathematics, Differential Equations, Calculus I-IV, Linear Algebra, Probability

Summer Institute for Training in Biostatistics

2013 • Raleigh, NC

- Used R to conduct and present research on public health data from Duke University to compare the effects of Aspirin and Sildenafil in patients with Acute Coronary Syndrome