

Jordan Tom

(408) 859-6400

[Email](#)

[Portfolio](#)

[LinkedIn](#)

[AngelList](#)

[GitHub](#)

San Francisco / Bay Area

SKILLS JavaScript, React.js, Redux.js, Ruby on Rails, Node.js, HTML5, CSS3, Git, PostgreSQL, MongoDB, jQuery, RESTful API, AJAX, JBuilder, OOP, RSpec, TDD, ORM, MVC, Webpack

PROJECTS

PayUp (JavaScript, React / Redux, Ruby / Rails, HTML, CSS, PostgreSQL)

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

Full-stack web application modeled as tribute to Venmo

- Utilized Ruby on Rails in backend to implement model validation logic on payments to ensure that user's balance is satisfactory before executing the transaction
- Developed data fetch method through React/Redux to render new transactions onto feed, and update users' balances immediately after completed payments
- Executed user search functionality via React/Redux state to retrieve and render transactions matching the user's search query
- Handled frontend to backend user authentication with BCrypt to hash and retrieve passwords

HikeSF (MongoDB, Express.js, React / Redux, Node.js, HTML, CSS)

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

Crowdsourced MERN stack web application that allows users to create and share their favorite hiking trails in San Francisco

- Optimized loading times by storing current user and trail information in Redux state, reducing redundant AJAX calls to the backend
- Configured Node.js server proxy to enable frontend-to-backend fetching of weather data received by Dark Sky API
- Incorporated Multer and AWS S3 to provide image upload capabilities and retrieval, allowing users to upload and share photo previews of their created trails
- Integrated with Google Maps API to allow users to pin waypoints and create custom hiking trails

SoundVision (JavaScript, D3.js, HTML, CSS)

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

Music visualization using JavaScript and Web Audio API

- Captured frequency data from MP3 file using Web Audio API, and developed loop function dynamically update data every second of the song
- Implemented D3.js to render audio data in the form of a bar chart, using the hue of the color to represent the amplitude of the frequency

EXPERIENCE

Microchip Technology, San Jose, CA

Analog Product Engineer

Nov 2015 - July 2018

- Qualified high-voltage ultrasound transmitter, and successfully released into production
- Pinpointed critical design error on high-demand, low-yielding product, coordinating redesign efforts and increasing weekly yield by 40% after completion

Foxconn, San Jose, CA

Test Engineer

Jul 2014 - Nov 2015

- Located root causes on failed units, reducing debug time by 50%
- Improved test capacity by assembling additional test stations, improving daily output by 33%

EDUCATION

App Academy

Dec 2019 - Apr 2020

Immersive software development course focused on full stack web development with less than 3% acceptance rate

Cal Poly Pomona

B.S in Electrical Engineering

Sep 2007 - Dec 2013