Larry Smith

t: 415.306.2240   **e:** lawrencepaulsmith1@gmail.com   San Francisco, CA   Portfolio   LinkedIn   GitHub

Skills

React, Redux, JavaScript, HTML5, CSS3, Ruby on Rails, Node.js, Express, postgreSQL, MongoDB, Mongoose, RESTful APIs, Material-UI, Git, Sass, D3.js, jQuery, Heroku, AWS S3, Responsive Web Design, Algorithms and Data Structures

Projects

Untappd clone: a social media web app where users review and discuss beer   live site | github
React, Redux, Ruby on Rails, PostgreSQL, AWS S3, jBuilder
- Utilized React Hooks to interface with Redux state and execute lifecycle methods, streamlining React code
- Incorporated user authentication by storing a unique "session token" in the Rails Sessions cookie and bootstrapping the current user's ID to the browser window
- Leveraged RESTful API principles to create, update, and destroy backend data, simplifying the request-response cycle

Note-taking web app with emphasis on images   live site | github
React, Redux, Express, Mongoose, Canvas API, React-Draggable, AWS S3
- Normalized the Redux state, streamlining the process of accessing and changing state data
- Implemented Mongoose refs to populate models with data from multiple schemas, DRYing up backend code
- Integrated the Canvas API with the React-Draggable library to create draggable HTML elements and graphics that respond to user input

Interactive data visualization of Spotify user listening habits   live site | github
JavaScript, D3.js, HTML5, CSS3, Spotify API, OAuth
- Incorporated Spotify user data with D3.js to create a personalized data visualization of a user's top artists and genres
- Redirected users to the Spotify Accounts service to grant access to API endpoints for their user data
- Leveraged the URL hash to render DOM elements conditionally, creating a single-page app

Experience

Manufacturing Engineer | August 2018 - November 2019
California Brazing
- Used SolidWorks CAD to design over 80 machining fixtures and create over 120 manufacturing process drawings
- Utilized Epicor ERP to develop and organize manufacturing processes for aluminum heat exchangers and coldplates

Manufacturing Intern | April 2017 - June 2018
NuVasive Specialized Orthopedics
- Assembled, tested, and repaired remote controllers used to activate magnetic limb-lengthening implants for the femur, tibia, and spine
- Operated a manual milling machine, lathe, and 3D printer to create medical device prototypes and fixtures

Education

App Academy | Spring 2020 | San Francisco, CA
Immersive software engineering course with focus on full-stack web development

University of California, Irvine | Spring 2018 | Irvine, CA
Henry Samueli School of Engineering, B.S. Mechanical Engineering