Larry Smith

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Skills

React, Redux, JavaScript, HTML5, CSS3, Node.js, Express, Ruby on Rails, D3.js, jQuery, postgreSQL, MongoDB, Mongoose, RESTful APIs, AJAX, Git, Heroku, AWS S3

Projects

Bitter   live site | github
React, Redux, JavaScript, HTML5, CSS3, Ruby on Rails, PostgreSQL, AWS S3
A clone of Untappd, a social media web app where users review and discuss beer
- Utilized React Hooks to interface with Redux state and execute lifecycle methods, streamlining React code
- Implemented jBuilder to send custom JSON responses, reducing the amount of requests to one per page
- Incorporated user authentication by storing a unique 'session token' in the Rails Sessions cookie and bootstrapping the current user's ID number to the browser window
- Leveraged RESTful API principles to create, update, and destroy data, simplifying the request-response cycle

ThoughtBoard   live site | github
React, Redux, JavaScript, HTML5, CSS3, Express, Mongoose, Canvas API, React-Draggable AWS S3
An Image-based note-taking web app
- Normalized the Redux state, streamlining the process of accessing and changing state data
- Implemented Mongoose refs to populate models with data from multiple schemas, reducing the amount of backend code
- Integrated the Canvas API with the React-Draggable library to create draggable HTML elements and graphics that respond to user input

Plotify   live site | github
JavaScript, D3.js, HTML5, CSS3, Spotify API, OAuth
A visualization of your favorite Spotify artists and genres
- Incorporated Spotify user data with D3.js to create a personalized data visualization of user listening habits
- 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 to design machining fixtures and create manufacturing process drawings

Manufacturing Intern | April 2017 - June 2018
NuVasive Specialized Orthopedics
- 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 development 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