DAWINDER SINGH

(510) 396-7350   dawindernsingh@gmail.com   Portfolio   LinkedIn   AngelList   Github

SKILLS

React.js, Redux, JavaScript, Rails5, Ruby, Node.js, Express.js, PostgreSQL, MySQL, MongoDB, Git, HTML5, CSS3, SASS, AWS, RESTful API, Flux, SQL, AJAX, jQuery, JSON, RSpec, UI/UX Design

PROJECTS

Venmo+ | (Ruby on Rails, React/Redux, Webpack, PostgreSQL)   **live** | **repo**
A digital wallet inspired by Venmo

- Implemented an instant search feature utilizing React's re-rendering on state change and a setTimeout function to send AJAX requests every quarter second, fetching real-time search results as the user types
- Applied ActiveRecord eager-loading on associations to eliminate N+1 queries and optimize backend API requests
- Incorporated polymorphic model associations allowing the user to create and send multiple payments, requests, and friendships, reducing the number of database tables by almost 50%
- Employed jBuilder to declare users' JSON objects, fetching appropriate data through the Redux cycle in order to efficiently render transaction histories of current user and their friends

TestZoo | (Node.js, Express.js, React/Redux, MongoDB)   **live** | **repo**
A test service where users can create and take tests

- Introduced React reducers to process user updates on a test's questions, answers, and previous scores, and developed functionality to immediately push these changes to the backend and database
- Connected backend Express routes to frontend via axios requests in React actions, fetching users' created tests and rendering them as links to the test-taking platform
- Processed all created tests from the database, passing them into React components as objects and separating each into category-determined arrays, rendering them as sectioned content on main page

Stats Don't Lie | (JavaScript, d3.js, HTML5, CSS)   **live** | **repo**
An interactive data visual of NBA player statistics

- Designed responsive bubble and bar charts composed of NBA player statistics using the D3 library, packing an array of JSON player objects as children nodes into a sum-based D3 hierarchy
- Built a HTML5 music player using vanilla JS and onclick DOM functionality, allowing the user to seamlessly stream music and have constant control over it
- Integrated multiple mouse events on each bar graph node and used simple D3 designing and scrollBy method to render statistical infographics upon onclick mouse event on any node

EDUCATION

App Academy - *immersive 1000+ hours software development course, 2019-2020*

- Coursework: React, JS, SQL, Object Orientated Programming, algorithms, and programming best practices

University of California @ Los Angeles - *B.A. Economics, 2016-2019*

EXPERIENCE

Treasurer
Bruin Bhangra, UCLA   Sept 2018 - Jun 2019

- Developed and managed a $100,000 cash flow budget for an international dance competition in Downtown Los Angeles with 1000+ attendees
- Raised capital via sponsorships, advertisements, donations, and membership fees
- Oversaw marketing strategies, booking of venues and hotels, and vendor transactions