Amanda Mitchell

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SKILLS

Main Stack: Node.js, MongoDB, Apollo GraphQL, React Native, React.js, Redux
Experience with: Ruby on Rails, RSpec, SQL, Webpack, HTML5, CSS3

EXPERIENCE

Software Engineer
BlackBird, Jan 2019 - present

- Wrote GraphQL operations and resolvers, and utilized the Apollo cache to create efficient db and client side data fetching and caching.
- Was an integral part of a team of 4 that designed, specced, and used Node.js to create BlackBird's marketplace pricing algorithm, which accounts for many internal and external cost factors.
- Created dynamic user-friendly React Native scenes that look great on many different Android and iOS devices.
- Used Jira to balance shipping features and squashing bugs in the customer facing mobile app and the internal dashboard.
- Developed, QAed, and deployed features quickly using Git in a rapidly moving startup environment.

Analytical Chemist
Dow Pharmaceutical Sciences, Nov 2016 - Jul 2018

- Utilized the ChemStation software package to generate and analyze chromatographic data in order to precisely quantify compounds in drug products and assess stability over time.

PROJECTS

Scout My Skate (Ruby on Rails, Google Maps API, React/Redux, postgreSQL, Webpack)
https://github.com/AmandaMitchell707/ScoutMySkate   https://scout-my-skate.herokuapp.com/#/
Full stack single page clone based on the site, Map My Run

- Incorporated the Google Maps API to create interactive maps that allow users to draw custom routes that snap to roads, and save/retrieve them from the database.
- Used the Google Maps Geolocation services to automatically center maps on the user's location, and the Google Places Autocomplete API to create a user friendly location search option.
- Implemented back end user authentication with database and model level validations, and bootstrapped users on the front end by creating a preloaded state for the Redux store containing the current user's id.
- Created protected frontend routes using React Router components to control access to private user content.
- Used CSS media queries to create a beautiful and responsive UI that scales to any device size.

Smart Kitchen (MongoDB, express.js, React/Redux, node.js, Webpack)
https://github.com/parisDreyer/SmartKitchen   https://smart-kitchen-recipes.herokuapp.com/#/
Recipe search app based on the ingredients in your kitchen

- Created an algorithm that filters recipes returned from an external recipe API to only display recipes with a certain percent ingredient match that depended on the size of user input.
- Built/styled React components and passed them the functions and information necessary to handle user input and display the correct content.

Piano Play (JavaScript, HTML5, CSS3, Webpack)
https://github.com/AmandaMitchell707/PianoPlay   https://amandamitchell707.github.io/PianoPlay/
Fun and interactive piano app that allows users to make music with their keyboard or mouse

- Utilized session storage to save the user selected keyboard voice so that audio output changed accordingly.
- Designed a fun and flexible UX that allows users to choose between keyboard and mouse input.

EDUCATION

App Academy - 1000+ hour immersive full stack software development course with <3% acceptance rate (2018)
University California @ Santa Cruz - *BS - Biochemistry and Molecular Biology* (2016)