

# Amanda Mitchell

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## SKILLS

Node.js, Apollo GraphQL, React Native, Ruby on Rails, RSpec, React.js, Redux, SQL, Git, CSS3, Webpack

## EXPERIENCE

Software Engineer

*BlackBird*, Jan 2019 - present

- 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.
- Wrote GraphQL actions and resolvers, and utilized the Apollo cache to create efficient db and client side data fetching and caching.
- 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, postgresSQL, 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.
- Collaborated on a small team and utilized Git version control to seamlessly integrate code.
- 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*

- Used JavaScript to generate HTML audio elements and SVG shapes for 31 piano keys with clean and DRY code.
- 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)