

# Amanda Mitchell

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## SKILLS

Ruby, Ruby on Rails, RSpec, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3, Webpack

## PROJECTS

Piano Play (JavaScript, HTML5, CSS3, Webpack)

[Live Site](#) | [Github](#)

*Fun and interactive piano app that allows users to make music with their keyboard or mouse*

- Generated HTML audio elements and SVG shapes for 31 piano keys using JavaScript, resulting in 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.

Scout My Skate (Ruby on Rails, Google Maps API, React/Redux, PostgreSQL, Webpack)

[Work in Progress](#) | [Github](#)

*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)

[Live Site](#) | [Github](#)

*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.

## 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)

## EXPERIENCE

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.
- Accurately prepared dozens of drug product samples in a single day with precision results of <0.1% relative standard deviation for triplicate preparations.
- Adhered to strict federal regulations for laboratory work, documentation, and data collection practices in an FDA audited laboratory.

Substitute Teacher

*Sonoma County Office of Education*, Mar 2016 - Aug 2016

- Taught grade levels ranging from kindergarten to 12th grade, including elementary level and high school level special needs classes.
- Teachers often specifically requested me for their planned absences.