CAL BROWN

Software Engineer   415-312-0699   calsbrown4@gmail.com   [LinkedIn](#)   [Github](#)   [Portfolio](#)   San Francisco, CA

SKILLS

React / Redux, Ruby on Rails, JavaScript, HTML, CSS, MongoDB, Node.js, Express, SQL, Jest, Postgres, GitHub, AWS, Developing REST APIs, TDD, Computer Science Fundamentals, Building Full-stack Web Applications, Data Modeling

PROJECTS

HipLampin | *(React / Redux, Rails 5, Ruby, PostgreSQL, AWS, Google Maps Javascript API, CSS)*   [live](#) | [github](#)
- Modeled data efficiently using Model-View-Controller (**MVC**) architecture in the Ruby on Rails framework
- Efficiently and securely stored data in AWS with **AWS IAM** to ensure **content security**
- Built a **fully responsive** web design to adapt content for **mobile** screens, desktops, and devices of various sizes
- Added an **autocomplete** search feature connected to **Google Maps API** to simplify the user experience (UX)
- Created a visually-appealing and straightforward **multi-step form** so hosts can create detailed listings without being overwhelmed by a complicated interface
- Incorporated **client-side form validations** to avoid unnecessary **AJAX** requests to improve application speed

Global Cuisine | (*React / Redux, MongoDB, Express, Node.js, AWS, Axios, CSS*)   [live](#) | [github](#)
- Created front end user authorization by storing **JWT** tokens in **localStorage** which ensures that users are granted their correct permissions
- Utilized **Agile** development and the **git** workflow to enhance collaboration and communication and maintain a shared codebase for a team of **3 engineers**
- Assisted teammates with **troubleshooting** and problem solving front end issues as the **frontend leader**
- Built a back end photo upload feature using **Node.js**, **Express,** and multer **S3** middleware to store images securely in AWS

Carvin' Pumpkins | *(Javascript, CSS, HTML5 Canvas)*   [live](#) | [github](#)
- Built candy corn animation using **HTML5 Canvas** in conjunction with collision detection logic in Javascript to liven up the home page
- Created an undo and reset button by utilizing a **stack data structure**
- Implemented smooth carving functionality with **Vanilla Javascript**, pixel data, and **Object Oriented Programming (OOP)** for a fun and satisfying game

EXPERIENCE

Software Engineering Instructor, *App Academy, San Francisco*   June 2022 - Current
- Teach foundational programming topics and beginner to intermediate Javascript to adults to help them become successful programmers
- Simplify complex technical programming concepts into digestible material while delivering lectures
- Administer, grade, and review assessments and homework every day to ensure students grasp concepts
- Provide private tutoring before and after class to facilitate a deeper understanding of the subject matter

Reimbursement Specialist, *Genentech, San Francisco*   Sep 2019 - July 2021
- Minimized patient medical costs by collecting accurate insurance benefits for an experimental treatment of MS
- Outpaced expected quota by completing 2 benefits investigations per hour
- Benefits investigations involved contacting insurance companies to obtain coverage details and relaying the information to a provider through a SalesForce Lightning application
- Guaranteed that patients' treatment was covered under their new or updated insurance plan by working 12 hours a day during the 3 months after open enrollment

EDUCATION

App Academy - *Full-Time Software Engineering Program. 2021*
University of Colorado - *B.S. Psychology. 2018*