**PERSONAL PROJECTS**

[**Flipr**](https://github.com/hanqingchen15/Flipr) **-** *Ruby / Rails, PostgreSQL, Amazon AWS, JavaScript(ES6), React.js, Redux.js, HTML5, SASS*

Single-paged photo-sharing web application that allows users to upload photos, and curate their own albums. Features user authentication and responsive photo displays.

* Implemented BCrypt for password hashing, and React Router in conjunction with session tokens for restricted pathing to prevent unauthorized access.
* Leveraged React render functions and components to dynamically switch the page’s background based on a user’s location.
* Integrated Amazon S3 cloud storage solution with PostgreSQL database backend using ActiveStorage queries, resulting in a smoother user experience and better application scalability in the future.

[**Super Smash Browser**](https://github.com/Battjmo/SuperSmashBrowser) **-** *JavaScript, HTML5 Canvas, CSS, Adobe Illustrator*

A chrome extension that allows users to selectively hide elements in a webpage. Users can choose different animations that accompanies the actions.

* Manipulated JavaScript DOM to select and interact with objects displayed on a webpage.
* Created new HTML5 canvas elements on top of said DOM objects to render destruction animations.
* Designed and animated custom cursors using Adobe Illustrator.
* Facilitated collaboration through careful system design, consistent Git workflow, object oriented programming, and modular code.

**SKILLS**

**Backend:**

Ruby

Ruby on Rails

PostgreSQL

MySQL

**Frontend:**

JavaScript

React.js

Redux.js

Angular.js

HTML5

CSS3/SASS

**Testing:**

RSpec

Capybara

Jest

Enzyme

**Misc:**

Git

Amazon AWS

**Experience**

**LOB.com**

**Senior Software Engineer**  Aug 2021 –Present

**Software Engineer**  Oct 2019 - Aug 2021

* asdf

**Vitagene (now 1health.io)**

**Software Engineer**                                           Oct 2018 - March 2019

* Leveraged expertise in Redux.js to eliminate excessive API calls between web page transitions, reducing loading times for users as they browse between different reports by around 80%.
* Independently accomplished the overhaul of three core vitagene website components – constituting over 50% of user health reports – using React/Redux and Styled Components, leading to about 30% higher user retention rates.
* Collaborated with the rest of the engineering team to transition Vitagene’s front end framework from Angular.js to React.js and Redux.js.
* Worked closely with the Science team to update nutrition algorithms and report contents based on new findings and discoveries.

***PacGenomics Inc.***

**Staff Scientist**                                                      Nov 2015 - June 2018

* Advised and implemented the UI/UX portions of the physicians’ web portal, including designing and testing new features, such as document preview and upload, that streamlined the app’s interface while providing additional functionalities.
* Programmed automated liquid handling device with protocols to run experiments, which reduced assay runtimes by up to 50%. Additionally, instructed co-workers on the operation of the liquid handling devices.
* Identified and corrected many inefficiencies in our testing pipeline, reducing the turnaround time for rush cases to under 16 hours from over a day previously.

**EDUCATION**

University of California, Berkeley

B.A. Molecular & Cell Biology,

Infectious Diseases Emphasis

2011 – 2015

App Academy

Software Developer

2018

[github.com/hanqingchen15](https://www.github.com/hanqingchen15)

[hanqingchen.com](https://hanqingchen15.github.io/)

[linkedin.com/in/hanqingchen15](https://www.linkedin.com/in/hanqingchen15/)

San Francisco, CA

[h.chen93@gmail.com](mailto:h.chen93@gmail.com)

(310) 951–0388

**HANQING CHEN**

SOFTWARE ENGINEER