

Jason Liao

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Skills

Programming Languages: Ruby, JavaScript, HTML5, CSS3, SQL

Databases: PostgreSQL, SQLite 3, MongoDB

Frameworks: Ruby / Rails, Express, React/Redux, Node.js, RSpec, JBuilder, Socket.io, Google Map API, Heroku, AWS S3, JQuery, JQuery Ajax, Vanilla DOM

Languages: English, Chinese

Projects

UwUelp - (Ruby, Ruby on Rails, React/Redux, JavaScript, AWS S3, PostgreSQL) [Link](#) | [Github](#)

A smooth, bug-free Yelp clone with an anime theme.

- Integrated **Google Maps API** to render markers to display locations of businesses using their latitude and longitude.
- Took advantage of length of total reviews and numbers of reaction types to implement logic to **dynamically** render the correct numbers of reviews and reaction as they update.
- Implemented filtering system to allow users to filter search results by price range of businesses using local state in react component.

Highpaw - (MongoDB, Express, React/Redux, Node.js, Socket.io, AWS S3) [Link](#) | [Github](#)

A web application that connects dog walkers with other users that want to pet their dog.

- Utilized **Google Map API**, **Socket.io**, and **HTML5 Geolocation API** to implement location sharing between dog walkers and dog petters.
- Utilized **Socket.io** to emit events from clients to server then back to clients to create live chat rooms for dog walkers and dog walkers.
- Collaborated with other professionals in an environment where good **Git Flow** is practiced, and implemented code that had to connect with the logic behind other developers' code.

Mario Rush- (JavaScript, HTML Canvas) [Link](#) | [Github](#)

A javascript shooting game with a Super Mario theme.

- Utilized **HTML Canvas** to represent game objects and to decorate them as Mario characters.
- Implemented collision logic so when a shell hits a bowser, it destroys the bowser.
- Implemented logic so that there is an infinite amount of bowsers as long as the player is alive.

Education

- App Academy - Full Stack Development (2019)
- UC San Diego - B.S of Biochemistry (2018)

Experience

UC San Diego

Feb 2017 - Jun 2018

Undergraduate Research Assistant

- Conducted experiments on Pulmonary Arterial Hypertension(PAH) and analyzed results.
- Managed 10 - 20 different cell lines that was used for research of PAH.
- Came up with own personal experiment to test if exosomes can be biomarkers for PAH.