

Lawrence Ng

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SKILLS React, Redux, Express, Node, Ruby, Rails, JavaScript, Java, C, C++, jQuery, HTML, CSS, SCSS, SQL, Mongo, git, TDD, Jest, Rspec

EDUCATION

BS Computer Science – San Jose State University, December 2017

Web Development – App Academy (Summer 2018)

PROJECTS

Yelp Clone (Rails, ReactJS) | *Sole Developer*

[live](#) | [github](#)

Yelp Clone is a single page application made with Rails and ReactJs that enables users to post reviews and rate businesses.

- Utilized Google Maps API to assist in the custom search functionality by translating geolocation data and giving bounds within a location to dynamically present accurate results
- Optimized custom search functionality by creating custom queries that improves the database performance by reducing execution time of a search query
- Stored image uploads in the cloud using AWS S3 to decrease the load on the server and allowing for improved scalability

Tower Defense (JavaScript) | *Sole Developer*

[live](#) | [github](#)

Tower Defense is a 2D game that is made with HTML5 canvas where the goal is to prevent units from reaching the left of the canvas.

- Developed crawling simulation of a sprite by manipulating the correct image to present every frame and dictating the time each frame is displayed to prevent sprites from being redrawn too frequently
- Utilized HTML5 canvas to render grid and characters to create engaging graphics allowing the user to have an enjoyable time when interacting with the game
- Optimized rendering of the game by removing elements that have fallen out of the canvas view to prevent unnecessary calculations

BartVentures (ExpressJS, ReactJs) | *Sole Developer*

[live](#) | [github](#)

BartVentures is a web application made with Express and ReactJs that enables users to view locations they can go with their budget.

- Implemented a search functionality that utilizes Bart API and MongoDB to filter out distant attractions and stations with the given budget
- Integrated Google Maps API to display a view of the Bay Area with markers on attractions and stations to provide better user experience

EXPERIENCE

Server

Gen Korean BBQ House

Aug 2016 – May 2017

- Utilized a POS system to watch over approximately 6–8 tables and finish serving each table within the 2 hour limit
- Collaborated with other servers to swiftly deliver dishes to customers and provide excellent customer service to reach a goal of improving the restaurant's ratings

Intern

Mission Bit

June 2014 – Aug 2014

- Assisted in the development of a web application made in HTML, CSS, MeteorJS, and MongoDB to increase recruitment of high school students in the free coding courses offered after school
- Took part in logistics to determine which group of students to target where there would be more student enrollment for the free coding courses