

Alexander Yang

847-848-8798

alexyang719@gmail.com

[LinkedIn](#)

[Github](#)

SKILLS

React.js, Ruby on Rails, JavaScript, jQuery, Ruby, Redux, SQL, Git, HTML5, CSS3, C, LC3, SystemVerilog

PROJECTS

Kelp

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

This is a clone of the popular Yelp website created using Ruby on Rails, Javascript, React / Redux, HTML5, AWS, PostgreSQL and CSS

- Added tags to businesses which allowed them to be easily found from the database based off of the type of cuisine or the type of food. Tags were implemented by creating a table in the database. It stores the label of the tag and the id of the business it belongs to.
- Implemented the Google Maps API which allows users to only look for businesses within a specified area and display the map location when looking at the business page.
- Used Amazon Web Services to store pictures for each business and allow users to upload their own images of the business, which allowed for faster fetching and posting of pictures.
- Used JBuilder, reducers, actions, and AJAX calls to create a state which allowed for efficient access to the needed data.

Liftur

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

This is a web application meant for mobile use that gives customized workout plans based off of user input, created using Mongo db, express.js, react, and node.js

- Delivers the correct workout plan based on a simple search algorithm that uses information inputted by the user.
- Includes the user's goal and their desired difficulty level, which also indicates their experience level/strength level.

Dragon Curve Fractal Engine

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

This is a vanilla javascript project that uses canvas to draw out a fractal dragon curve

- Implemented a recursive algorithm to draw out the dragon curve fractal using canvas, resulting in a dragon curve fractal being generated with the amount of steps the user specifies. On each call, the algorithm draws the next step of the fractal until the desired amount of calls is fulfilled.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (May 2019)

University of Illinois @ Urbana-Champaign - *Electrical Engineering* (August 2016 - January 2019)

Specialized Courses: Intro to Electronics, Intro to Computing, Digital Systems Laboratory, Analog Signal Processing, Computer Systems and Programming

EXPERIENCE

Inventory Management

Unicorn Consulting, Oct 2016 - Dec 2016

- Helped implement an online inventory management system that had live tracking of inventory and also showed how many units of each item was sold and total income from said items allowing the company to work more efficiently.
- Managed the warehouse and making sure all items going in and out were accounted for.

Data Analyst

Jade Dragon Restaurant, Oct 2016 - Dec 2016

- Compiled past data from orders to see what menu items were the most and least popular, allowing the restaurant to shrink the menu and reduce expenses on unneeded ingredients