

# Rocky Yang

## Software Engineer (Full-Stack)

I'm a self-motivated programmer with an innovative mindset. I'm always looking forward to any challenge. I'm an enthusiastic teammate with high integrity. I deliver high-quality code in my projects. I'm not afraid of decision making, am collaborative, resourceful and possess excellent communication with my teammates, and utilize my knowledge to produce creative ideas to showcase my skillset and vision as a Software Engineer.



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## PERSONAL PROJECTS

### Pokechampions

- (JavaScript, React, HTML, CSS, Python, Flask, SQLAlchemy, PSQL, Postgres)
- An application that allows you to challenge the Kanto League with your favorite Pokemon.
- [Live Site](#) | [Github](#)
- Established user ability to perform CRUD operations by incorporating Flask and SQLAlchemy to connect the database with the back-end, which allowed the user to send fetch requests.
- Deployed a merge sort algorithm to fetch all the pokemon details from an API reducing previous time complexity of  $O(n^2)$  to  $O(n \log n)$ .

### C.A.R.L.

- (JavaScript, React, HTML, CSS, PostgreSQL, Sequelize, Express, PUG, Test Driven Development, Unit Testing)
- CARL is a work-flow application to help users organize their tasks. Tasks can be assigned to specific projects where they can be organized into categories.
- [Github](#)
- Utilized CSS and PUG to create modals by having the user trigger a JavaScript event that will convert the display attribute of the modal element from 'none' to 'block', which will allow for a cleaner UI/UX by not having the user redirect.
- Established the ability to connect to the database and maintain event handlers by utilizing Express and Sequelize on the backend and PUG on the frontend, which allowed users to perform CRUD operations.

### Chess

- (JavaScript, React, HTML, CSS, Express, Websockets)
- Chess is a two-player strategy board game that is played on an 8 x 8 checker-patterned game-board with 64 total squares.
- [Live Site](#) | [Github](#)
- Designed a player simulator by having an A.I. function call the movability function after the user has moved to allow the user to have a 1 v 1 matchup.
- Implemented websockets by utilizing express and react to have the front-end message the back-end to update the game-board which allowed two users to play each other in real time.

### Swipefair

- (JavaScript, React, HTML, CSS, Python, Flask, SQLAlchemy, AWS CloudFormation)
- An application that combines the concepts of Tinder and LinkedIn. By being able to swipe whether you're a company looking to hire or a jobseeker and will connect a jobseeker with a company when both swiped each other
- [Live Site](#) | [Github](#)
- Established a message box with React by having the front-end make a get request to grab all messages the user has in the database and re-renders the component.
- Ensure user ability to perform CRUD operations by implementing flask and python on the backend to create api routes, and JavaScript on the frontend to fetch calls from the api routes.

## SKILLS

JavaScript (Es6)

Python

Node.js

HTML5

CSS3

Git

Express

RESTful APIs

SQL

React.js

Flask

NoSQL

Unit Testing

MySQL

Heroku

Ruby

PostgreSQL

UI/UX

## WORK EXPERIENCE

### Software Engineer Apprentice App Academy

12/2020 - Present

Remote

A Full-Stack Web Development Coding Bootcamp

#### Achievements/Tasks

- Conducts technical screens of coding bootcamp applicants and assesses algorithmic aptitude in various languages, including JavaScript, Ruby, and Python.

### Warehouse Specialist Sensata Technologies

02/2019 - 01/2020

Oakdale, MN

#### Achievements/Tasks

- Utilized the company's software to invoice 40 - 60 orders and ship them to customers resulting in \$30000 - \$50000 in payments per day.
- Operated a forklift to move 30 - 50 pallets weighing from 100 lbs - 500 lbs to update the location of different pallets and items which resulted in more shipments due to not having to spend time to search for the needed items/pallets.

## EDUCATION

### Full Stack Web Development App Academy

03/2020 - 09/2020

Online

#### Description

- Rigorous 1800-hour software development course with < 3% acceptance rate.
- Teaches full-stack web development: Pair Programming, Unit Testing, Algorithms, Design Patterns, Redux, Docker, Web Sockets, Presentation Skills, Software Engineering, Software Development, Coding, and Data Structures.

### Information Systems

University of Wisconsin - Eau Claire

01/2015 - 05/2018

Eau Claire, WI

#### Description

- Pursued Bachelor's.