Rocky Yang

(612) 396-5953   yangrocky2013@gmail.com   Portfolio   LinkedIn   Github

Skills

JavaScript, React.js, Python, HTML5, CSS3, Git, PostgreSQL, SQL, Flask, SQLAlchemy, Node.js, Express, Redux

Projects

Chess (JavaScript, React, HTML, CSS, Express, Websockets)   Live Site | Github
Chess is a two-player strategy board game that is played on an 8 x 8 checker-patterned game-board with 64 total squares.
- Implemented websockets to allow two users to play a match by having each player send their move to the backend and having the backend send an updated game board to both players in real time.
- Designed an A.I. by having an A.I. function that calls the movability functions after the user has moved. Movability is calculated if the desired destination meets the condition of movability by using multiple if statements and every move is random.

PokeChampions (JavaScript, React, HTML, CSS, Python, Flask, SQLAlchemy, PSQL, Postgres)   Live Site | Github
An application that allows the user to take on the Kanto League in the world of Pokemon. Select six of your favorite Pokemon, and challenge the pokemon League and see if you can become the new Champion!
- Incorporated Flask and SQLAlchemy to connect my database with my front and back-end allowing the User to create their account by creating a post request to the route after submitting an account creation form.
- 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, TDD)   Live Site | Github
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.
- Delivered a cleaner experience for the user by applying CSS and PUG to have modals appear when the user is performing a CRUD operation by converting the display attribute of the modal element.
- Established ability to perform CRUD operations by utilizing Express and Sequelize on the backend and PUG on the frontend by connecting to the database and maintaining event handlers.

Swipe Fair (JavaScript, React, HTML, CSS, Python, Flask, SQLAlchemy, PSQL, Postgres)   Live Site | Github
- 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
- Ensure user ability to perform CRUD operations by implementing flask and python on the backend and Javascript on the frontend by creating backend routes and having the frontend fetch calls from the routes.
- Established a message box with React by having the component make a fetch call to allow users to interact with other users.

Experience

Sensata Technologies - *Warehouse Specialist*   February 2019 - January 2020
- Utilizing the company's software to invoice 40 - 60 orders per day and shipping them to our customers.
- Implemented an organizing system by having folders for each day of the week, which resulted in shipments arriving on time and saved $100 - $200 daily by not having to do 1-day- or 2-day shipments.

Education

App Academy   March 2020 - September 2020
- Rigorous 1800-hour software development course with < 3% acceptance rate
- Teaches full-stack web development: Test Driven Development, Pair Programming, Algorithms, Design Patterns, Redux, Docker, Web Sockets, Presentation Skills, and Data Structures.

University of Wisconsin - Eau Claire   February 2015 - May 2018
Pursued Bachelor's in Information Systems