

DOUGLAS CRAWFORD

SOFTWARE DEVELOPER

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New York, NY

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

PROJECTS

Cap App

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

Financial investing project using Rails/React/Redux that allows users to create and maintain dummy stock portfolios.

- Implemented interactive charts using Recharts for presentation and Cloud IEX API calls for current data, in order to provide real-time stock data representations of stocks and user portfolios.
- Developed backend API that uses Rails for RESTful HTTP processes, allowing users to asynchronously store and retrieve their stock and watchlist data.
- Create watchlists that are displayed and manipulated in a dashboard sidebar by using React components that incorporate Redux state, allowing for easy stock additions and removals.

VitalDB

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

Health vitals tracking app produced in a team setting with the Mongo/Express/React/Node (MERN) stack that allows users to visually monitor changes over time.

- Consolidated user health vitals inside of a Mongo database using React to send the HTTP requests, allowing the user to keep a record of their health vitals, checkup history and allergies.
- Charted health vitals by category using a custom designed interactive Recharts display and user data from Mongo, allowing users to graphically view their health vitals and hover over points on the chart to view that day's specific health vital information.
- Supervised team by delegating responsibilities and directing project direction, resulting in efficient production with no conflicts.

Tower Defense

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

Defend base against increasingly stronger invaders, employing Javascript, HTML, and CSS.

- Implemented tower targeting system using iteration between enemies within range, causing towers to all focus on the closest enemy once it passes half the canvas.
- Leveraged `requestAnimationFrame()` and canvas to repeatedly and asynchronously draw and reposition elements linked to class instances, resulting in a tower defense game with animated waves of enemies and towers that aim at their current target.
- Incorporated asynchronous Javascript functions for gameplay control, allowing for various gameplay functions such as upgrading tower damage, tracking each enemy's current health, and increasing resource generation rate.

EXPERIENCE

Supply Chain Logistics Associate

EZ-FLO International, Nov 2018 - Mar 2020

- Communicated with the team to determine ways of improving existing work policies through the use of Microsoft Excel, resulting in automation of many manual data entry practices and reduced human errors.
- Oversaw record management of shipment-related expenses by using Microsoft Excel and ERP software, improving the turnover time of administrative processes between the company and its broker.
- Organized the company effort to standardize internal records by acting as the liaison between two departments, resulting in increased involvement with the project companywide.

Line Teller

Wells Fargo, Nov 2014 - Sept 2016

- Generated sales of financial products such as checking and savings accounts by following customer sales prompts, resulting in top-tier branch sales for three consecutive quarters.
- Operated foreign exchange services (FOREX) for customers as the International Transaction Teller, resulting in upsell opportunities and top customer satisfaction.
- Exhibited integrity by following banking regulations and securing customer transactions with full discretion, resulting in consistently high customer satisfaction scores.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Summer 2020)

Keller School of Management @ Devry University - *Master of Business Administration (Accounting Concentration)* (Summer 2018)

University California @ Irvine - *BA - International Studies* (Fall 2014)