Johnny “Run Qiang” Mei

Software Engineer

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Skills

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

Education

App Academy | Full Stack Development Program | New York City, NY — May 2022

Binghamton University, The Thomas J. Watson School of Engineering and Applied Science — May 2021
Bachelor’s in Computer Science

Projects

CodeMark — Live Site | Github
(MongoDB, Express, Mongoose, React/Redux, HTML5, CSS3, CodeMirror 6, Highlight.js, Axios, Cheerio, Heroku)
A social Q&A site that allows developers to save, share and review code snippets in a variety of languages

- Served as Backend Lead to manage databases for users, notes, comments and resources.
- Integrated Cheerio Web Scraper to search for information pertaining to the code snippet and dynamically post resource notes.
- Utilized CodeMirror 6 for displaying proper code syntax and suggestions, allowing a friendly and accessible user experience (UX) and user interface (UI).
- Adopted Highlight.js for automatic language detection in order for users to retrieve language-specific resources.
- Implemented a custom dropdown modal for note creation and editing for status reports.

Amajon — Live Site | Github
(Ruby on Rails, React/Redux, JavaScript, AJAX, JBuilder, PostgreSQL, HTML5, CSS3, AWS S3, Heroku)
An Amazon clone that focuses on korean products

- Leveraged Redux to examine local state, creating custom components in React to allow users to quickly filter products based on certain product criteria
- Designed backend API to allow users to add items to their shopping cart and write, edit, and delete product reviews
- Conducted authorization and authentication checks for multiple components to prevent other users from accessing or changing your reviews and cart information.

U.S. Disease Outbreak Simulator | (JavaScript, D3.js, Topojson, HTML5, CSS3, Heroku) — Live Site | Github
A US viral outbreak simulator made in Javascript

- Integrated D3 to display maps of the US, based on state boundaries tracking viral spread based on a year of flight data and state census data.
- Created customized document listeners and states to manage buttons and numerical inputs for data inputs.
- Adapted D3 scaling and positioning to allow multi-platform usage of maps and data visualization.

Experience

HACKBU Club (Coding Club)
Club Member — Jan 2018 - May 2021

- Participated in weekly online/in-person workshops
- Learned new skills in various programming languages
- Competed in 72-hour long hackathons and coding competitions
- Helped set up lectures and events hosted during hackathons