

# Johnny Mei

## Full Stack Software Engineer

run.qiang.mei.1999@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#) New York City

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

### 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

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

(Ruby on Rails, React/Redux, JavaScript, TypeScript, AJAX, JBuilder, PostgreSQL, HTML5, CSS3, AWS S3, Heroku)

Lead Programmer

March 2022 - Present

*An Amazon clone that focuses on Korean products*

- Leveraged Redux to examine local state, creating custom components in React to allow users to filter 100+ products based on product criteria quickly
- Designed backend API that allows users to add items to their shopping cart and manipulate their product reviews
- Conducted authorization and authentication checks for multiple components to prevent users from changing reviews and cart information of other users
- Utilized TypeScript to generate bug-free production-quality code

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

(MongoDB, Express, Mongoose, React/Redux, HTML5, CSS3, CodeMirror 6, Highlight.js, Axios, Cheerio, Heroku)

Backend Lead Programmer

April 2022 – August 2022

*A social Q&A site that allows developers to save, share, and review code snippets in a variety of languages*

- Served as Backend Lead Programmer 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 to display 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/editing and displaying status reports
- Created a self-updating database to improve future resource inquiries

**U.S. Disease Outbreak Simulator** [Live](#)

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

(JavaScript, D3.js, Topojson, HTML5, CSS3, Heroku)

Lead Programmer

March 2022 – June 2022

*A US viral outbreak simulator based on a year of flight data and state census data*

- Integrated D3 to display maps of the United States, based on state boundaries
- 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
- Decreased loading time by optimizing data input

### Experience

**HACKBU (Coding Organization)**

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