

Shuyi Jin

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Education

WELLESLEY COLLEGE

B.A. Computer Science & English

Wellesley, MA

September 2017—December 2020

Experience

SOFTWARE ENGINEER

MULTIPLICITY

Boston, MA

March 2020—Present

- Led a team of three engineers and developed a web portal for a company that provides academic institutions and corporations with workshops on inclusivity and collaboration.
- Implemented secure connection and interactions with MySQL database to enable CRUD operations.
- Adapted SMTP into the Flask app to automate email notifications of user activities and information updates.
- Incorporated JQuery and periodic Ajax requests to automatically update the webpages with new events on the calendar, new postings in the forum, and new messages from other users.
- Gained and analyzed user feedback through iterations of testing and improved user interface, reducing user reaction time by an average of 23 seconds.

FULL STACK DEVELOPER

MIT MEDIA LAB

Cambridge, MA

May 2020—September 2020

- Researched and developed 30% of crucial functionalities of a dynamic visual exploration tool for migration and mobility studies along with 5 co-workers. This tool will be used in future MIT lectures and researches.
- Implemented secure connection to MongoDB database and enabled CRUD operations by users.
- Utilized React to allow efficient updates of individual components of the visualization of paths.

WEB DEVELOPER

WANBOLIAN WIRE AND CABLE

Beijing, China

December 2019—January 2020

- Developed a website to display the company's products and construction projects.
- Incorporated Bootstrap, JQuery, and Ajax to make the website more dynamic and attractive to customers.
- Implemented efficient queries to MySQL database to make the products searchable and sortable through various criteria. Facilitated product selection process for potential business partners.

FRONTEND ENGINEER

EASYSWAP

Boston, MA

December 2018—June 2019

- Worked with a team at this student startup to develop a React web app that allows students to list and sell items they no longer need online and trade on campus.
 - Utilized React components to allow efficient updates of the marketplace, quick retrieval of item information, and efficient rendering of comments. Users and products information are stored in MongoDB.
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Skills

Python || Javascript || HTML || MySQL || Node.js || React || React Native
Express || CSS || MongoDB || Racket || SML || Java || C || x86 || Flask

Projects

MUSIC AND CHILL

Personal project

July 2019—November 2019

- Created a web app in Javascript that allows users to play music together remotely in virtual playrooms.
- Incorporated Socket.io to allow users to create their own virtual playrooms equipped with virtual keyboards. Notes played by a user can be heard by other users who enter and play in the same room.
- Utilized Passport.js for secure authentication and storage for user information in MongoDB.

OOPS

Horizon Hackathon

August 2019

- Developed a React Native app that allows users to send messages, locations, and pictures to their friends with one click.
- Utilized Expo Location and MapView to obtain and display the user's location. Incorporated Expo Image Picker to choose and display images from the user's camera roll.