Shuyi Jin

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Education

WELLESLEY COLLEGE   Wellesley, MA
B.A. Computer Science & English   September 2017—May 2021

Experience

SOFTWARE ENGINEER   Boston, MA
Multiplicity   March 2020—Present

- Led a team to develop a web portal for clients of Multiplicity, 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 request to automatically update the webpages with new events on the calendar, new postings in the forum, and new messages from other users.

UNDERGRADUATE RESEARCH ASSISTANT   Cambridge, MA
MIT Media Lab   May 2020—Present

- Worked as a web developer and actively contributed to the development of a dynamic visual exploration tool for migration and mobility studies, which will be used in future MIT lectures.
- Implemented secure connection to MySQL database and enabled CRUD operations by users.
- Utilized React to allow efficient updates of individual components of the visualization.
- Created efficient testing with React-redux. Embedded the app in Docker to facilitate deployment.

WEB DEVELOPER   Beijing, China
Wanbolian Wire and Cable Co., Ltd   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.

Skills

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

Projects

MUSIC AND CHILL
Personal project   October 2019—November 2019

- Created a web app in Javascript that allows users to play music together remotely.
- 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. Used Passport.js for secure authentication and stored user information in MongoDB.

OOPS
Horizon Hackathon   August 2019

- Created 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 image from the user's camera roll.