AMY SHIN

AMY.E.SHIN@GMAIL.COM
/IN/AMYESHIN
AMYESHIN.COM

EDUCATION

Stony Brook University   Graduated May 2020
B.S. Computer Science

SKILLS

Proficient   Python, HTML, CSS, JavaScript, React, Java, SQL, Git

Familiar   Express.js, Node.js, TypeScript, Django, Docker, Jenkins, RabbitMQ, C, Sequelize, Selenium, R

EXPERIENCE

Managed by Q, Software Engineer Intern   Jun 2019 - Aug 2019

- Integrated popular search feature with backend to show popular searches when a user clicks on the search bar.
- Designed and integrated an "Export as CSV" button to export invoices with relevant data.
- Implemented multiple UI components throughout the single page application to alert users of a sales tax change.
- Personally designed and created from scratch a reusable collapsible banner component.
- Wrote unit tests for features in the frontend and test cases in Selenium.
- *Tech Stack:* Python, JavaScript, React, HTML, SCSS

PROJECTS

CollegeD   Mar 2020 - May 2020

- Spearheaded the frontend for a single page application to help students manage their college application process.
- Designed user-friendly wireframes with Figma and built those pages in the frontend with backend integration and routing.
- Rendered an interactive scatter plot that represents test score data of students who applied to a selected college and their admission decisions.
- Implemented pagination to showcase college and high school card components.
- *Tech Stack:* JavaScript, React, HTML, SCSS

Rating Predictor   Apr 2020 - May 2020

- Implemented a sentiment analysis system with word to vector embeddings to predict ratings given product reviews.
- Optimized the rating predictor with user-factor adaptation and computed predictions with Principal Component Analysis.
- Applied deep learning principles by creating a Long Short-Term Memory Network to further improve predictions by 10%.
- *Tech Stack:* Python

TabGuard   Oct 2019 - Dec 2019

- Developed a Chrome extension that alerts users of malicious activity, tabnabbing, by using image comparison and allows them to report the website to blacklist it.
- Designed and set up the frontend for the extension and popup that notifies users that a website has been blacklisted.
- Integrated the URL blacklisting feature in the frontend with the backend and the AWS server.
- *Tech Stack:* JavaScript, HTML, CSS

Movie Directory   Sep 2018 - Nov 2018

- Developed a static web application with a MVC architecture that provides users information on movies using data from IMDbPY package.
- Designed the frontend using Jinja2 templates and the Semantic UI Framework.
- Implemented the backend of the project using a Flask Framework and created a REST API.
- Stored data using SQLite3 and wrote queries to fetch data depending on the transaction.
- *Tech Stack:* SQL, Python