AMY SHIN

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EDUCATION

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

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

SKILLS

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

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