LIJUN GAN

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EDUCATION

Baruch College, Zicklin School of Business
- *Master of Science in Information Systems, GPA: 3.974/4.0*   Fall 2020
  Coursework: Data Warehouse (SQL, NoSQL, OracleDB), Natural Language Process (Python)
- *Bachelor of Business Administration in Statistics and Quantitative Modeling, GPA: 3.913/4.0*   Spring 2019
  Coursework: Object-Oriented Programming (C++), Data Mining (R), Data Analytics (Python)
- *Honors & Awards: Dean's List, Women in Technology and Entrepreneurship in New York Grant*

EXPERIENCE

Software Engineer
Bloomberg   Feb 2022 - Present
- Built and maintained the tool that provides dynamic control and configuration of Bloomberg server-side applications.
- Designed and Implemented mobile approval with highlighting diff views for ticket requests to make production changes.
- Wrote unit tests and integration tests to enable the release of better quality products.

Full-Stack Engineer
Hearth   Nov 2021 - Feb 2022
- Developed and owned end-to-end solutions using a wide array of technologies using Golang, Ruby on Rails, React, GraphQL, React Native, Docker and AWS.
- Worked with databases, cloud infrastructure, and backend MVC frameworks and built scalable, DRY, and flexible solutions for a wide range of potential problems.

Teaching Assistant and Tutor (Programming for Analytics)
Baruch College   Feb 2019 - Dec 2020
- Helped over 80 students to improve their problem-solving skills in programming and math in small / large groups.
- Offered feedback on the fundamental tasks involved with modeling, designing, and implementing a database application, ensuring thorough understanding and best practices.

PROJECTS

Amazen | (React, Redux, Ruby, Ruby on Rails, AJAX, PostgreSQL, CSS, HTML, Javascript, JBuilder)   Github
A full-stack single-page app clone of Amazon for users to browse, purchase, and review books.
- Implemented custom user authorization on both frontend and backend that checks for proper sign-up and log-in credentials, keeping track of the current user and all functionality dependent on the session status.
- Ensured each book's average review dynamically changes on created reviews utilizing the consistency of the Redux store.

Blockup | (Mongoose, MongoDB, Express.js, Socket.io, WebRTC, Node.js, React, CSS, AWS S3, Javascript)   Github
A MERN Communication App - A 2FA-enabled web app supporting text chat, voice chat, and video chat.
- Used Speakeasy.js to create Time-based One-Time Passwords (TOTP) to implement Two-Factor Authentication (2FA), providing the user with a secure line of communication.
- Utilized Socket.io to serve communication between users, allowing real-time communication through various channels, such as video chat or speech to text.

Covid-off | (Javascript, D3.js, Canvas, CSS, HTML)   Github
An interactive Coronavirus dashboard for tracking vaccinations and cases for different countries.
- Connected dashboard UI to third party API, allowing users to visualize the covid-19 data of various countries by interacting with the map.
- Dynamically generated graphs and charts of relevant data utilizing D3 based on the user's input selections.

Activity

Information Technology Committee
Baruch Graduate Ascend
- Coordinated workshops and networking panels to create a platform for graduate students to connect with professionals and recruiters from various industries and gain more insight on future career paths.
- Collaborated with IT Webmasters to design, construct, and launch a new website for the organization.