Jingshi Liu

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EDUCATION

Queens College, City University of New York, CUNY   Flushing, NY
Bachelor of Science in Computer Science, GPA: 3.6   Dec, 2023
Relevant Courses: *Data Structure & Algorithm, Cloud Computing, OOP in Java and C++, Database, Internet Technology, Advanced Python*

SKILLS

- **Frontend**: ReactJS, JavaScript, TypeScript, TailwindCSS, Styled-Component, Bootstrap, ChartJs, Tkinter
- **Other Programming**: NodeJS, ExpressJS, SequelizeJS(ORM), Python, Flask, Firebase, C++, Java, SQL
- **Technologies**: IntelliJ, VSCode, Git, GitHub, macOS, Xcode, WireShark, Jupyter Notebook, AWS, GCP, Docker, Kubernetes,
- **Spoken Language**: Mandarin

RELEVANT EXPERIENCE

CUNY Tech Prep   New York, NY
Web Development Apprenticeship   Aug 2022 - May 2023
- Engaged in comprehensive learning of in-demand technologies, including **React.js**, **Node.js**, **Express.js**, and **PostgreSQL**.
- Studied industry best practices in design, implementation, and deployment.
- Focused on **MVC** architecture, **Git/GitHub** for version control, and **Agile** & **Scrum** methodologies, utilizing tools like **Slack**.
- Acquiring expertise in test-driven development and continuous integration/continuous deployment(**CI/CD**) practices.

PROJECTS

Pettenly, Pet Adoption Web Application - GitHub LiveDemo   Feb 2023 - May 2023
- Created a **React.js**-based pet adoption web application with a user-friendly Map UI for posting pet information.
- Integrated **Google Map** with **Google-Map-React** to visually showcase pet locations, enhancing user engagement.
- Utilized **Firebase** for secure user authentication, **Firestore** for data management, and **Firebase Storage** for image storage.
- Engineered an interactive **widget manager** featuring UserProfile, PostCreator, and PetPost components.
- Deployed on **Netlify** with a custom domain as a subdomain of my portfolio website.

Easy Trader, Full Stack Stock Trading Simulation - GitHub   Oct 2022 - Jan 2023
- Led a team of three in development of a **React.js** and **Node.js** based Full-Stack Stock Trading Web Application.
- Implemented web pages with **Bootstrap** showcasing user portfolios and enabling real-time stock trading with latest prices.
- Developed a component utilizing **Chart.js** to display the Line Graphs representing portfolio performance and stock prices.
- Engineered a robust **REST API** using **Express.js**, **Sequelize.js** and **MySQL** for efficient database management.
- Integrated secure user authentication using Firebase, ensuring a protected and trustworthy user experience.

Health Habit Tracker, CUNY Tech Prep Hackathon, Python - GitHub LiveDemo   Aug 2022
- Developed a web app in a team of two that tracks users' past health activities to help them develop healthy habits.
- Created a **Flask REST API** with **SQLAlchemy** for the database and implemented user authentication.
- Enabled user registration and login, log creation, and data retrieval and creation.
- Implemented clean and efficient code that won **Best Back End prize** in the hackathon.

Shopping App - GitHub   Aug 2022
- Collaborated with a team of 6 to develop a feature-rich shopping app, and focused on Coupon Pop-Up.
- Applied **layered architecture** and incorporated industry best practices and **design patterns** like Iterator and Decorator.
- Implemented the Coupon Pop-Up using **Java Swing**, interacting with an object through Observer Pattern to dynamically display available coupons.
- Created a responsive coupon voucher GUI, enhancing the user experience with intuitive coupon interactions.

ACTIVITY   ## Hobby
Best Backend - CUNY Tech Prep Hackathon 2022   Biking, Snowboarding