

KATHRYN WING KI LAM

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TECHNICAL SKILLS

- **Proficient:** JavaScript, Python, PostgreSQL, Sequelize.js, Node.js, Express.js, Flask, REST APIs, React.js, Redux.js, TypeScript, SQL Server, Jest, Enzymes, HTML, CSS, JQuery, OAuth, Git, Agile Software Development
- **Knowledgeable:** Mocha, Chai, Jasmine, Heroku, Firebase, Cloud Firestore, AWS RDS, React Native, Expo

ENGINEERING PROJECTS

BrainTeez | Developer | <https://github.com/team-g-capstone>

An educational mobile application that provides various leveled games and real-time multiplayer game room

- A universal native application for Android, and iOS
- Implemented Firebase Authentication and NoSQL Cloud Firestore without prior knowledge
- Technologies: Firebase, Firestore, React Native, and Expo

HYKM's Bookstore | Developer | <https://github.com/HYKM/graceshopper>

A mock fully functional e-commerce website selling textbooks with enhanced admin and security features

- Set up authentication with Google using OAuth
- Deployed to Heroku via Travis CI
- Technologies: Node.js, PostgreSQL, Sequelize.js, Express.js, React.js, and Redux.js

ARTICLES

Expo Firebase Authentication & Cloud Firestore Using async/await & React Hooks | <https://bit.ly/2Pjb9zM>

- A step-by-step tutorial on how to implement Firebase Authentication in Expo framework.

EMPLOYMENT

Software Engineering Advisor | Cigna, Remote

06/21-Present

- Modernize internal business applications
- Design and build individual business application based on stakeholders' input
- Focus on improving record accuracy, work efficiency and employee productivity

Web Development Instructional Associate(Part Time) | Virginia Tech x Fullstack Academy, Remote

05/21-Present

Software Engineering Teaching Fellow | Fullstack Academy, Remote

11/20-02/21

- Mentor, support, and teach over 50 students through office hours and team lunches
- Guide students on JavaScript fundamentals, debugging strategies, and software architecture
- Act as an Agile Project Manager for teams of 3-4 junior developers

Contract Fullstack Developer | Collegiate Gateway, New York, NY

02/21-04/21

- Designed and built a management system based on the company's workflow from scratch
- Wrote RESTful APIs endpoints to supply the frontend with relevant data via React-Redux Hooks
- Increased work efficiency by 70% through automated report generation

Owner | Buffalo Vitamin Outlet, Multiple Locations

10/08 - 07/18

- Expanded to 3 retail locations within the first five years
- Set up and maintained the network for the Point-of-Sale System
- Customized over 20+ products, including designing printed marketing materials and website

EDUCATION

- **Grace Hopper Program at Fullstack Academy** | Certificate in Fullstack Development
- **University at Buffalo** | Master of Science in Pharmaceutical Science

LANGUAGES

- Chinese Mandarin and Chinese Cantonese