

Lam, Kathryn Wing Ki

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TECHNICAL SKILLS

- ❖ **Proficient:** JavaScript, Node.js, Express.js, REST API, Git, React, Redux.js, React Native, Expo, HTML, CSS, JQuery, Sequelize.js, OAuth, PostgreSQL, Agile Software Development, TypeScript
- ❖ **Knowledgeable:** Mocha, Chai, Jasmine, Heroku, Firebase, Cloud Firestore, AWS RDS
- ❖ **Some experience:** Python, R

ENGINEERING PROJECTS

Custom Internal Business Application | Developer

Feb 2021

An internal application that is tailored to optimize client's work efficiency

- ❖ Design and build an internal management system based on the client's workflow from scratch
- ❖ Write RESTful APIs endpoints to supply the frontend with relevant data via React-Redux Hooks
- ❖ Technologies: PostgreSQL, Node, Express, React, Redux Hooks, Material UI, and TypeScript

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

Oct 2020

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

- ❖ A universal native application for Android, iOS, and the Web with JavaScript and React
- ❖ Responsible for Firebase Authentication and Cloud Firestore
- ❖ Technologies: Firebase, Firestore, React Native, and Expo

Minions AI | Solo Developer | <https://github.com/katwingki/FirstExpo>

Oct 2020

A fun and straightforward artificial intelligence mobile application that test kids' basic knowledge

- ❖ Created a React Native application in Expo based on documentation
- ❖ Integrated with neural network-based Brain.js library
- ❖ Technologies: React Native, Expo, and React

HYKM's Bookstore | Developer | <https://hykm-bookstore.herokuapp.com>

Sep 2020

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, Express, React, and Redux

WORK EXPERIENCE

Software Engineering Teaching Fellow | **Fullstack Academy**, New York, NY

Nov 2020 - Feb 2021

- ❖ Mentored, supported, and taught over 50 students through office hours and team lunches
- ❖ Guided students on JavaScript fundamentals, debugging strategies, and software architecture
- ❖ Acted as an Agile Project Manager for teams of 3-4 junior developers
- ❖ Administered technical interviews for prospective students applying to the program

Owner | **Buffalo Vitamin Outlet**, Multiple Locations

Oct 2008 - Jul 2018

- ❖ 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

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

LANGUAGES

- ❖ Chinese Mandarin and Chinese Cantonese

CITIZENSHIP

- ❖ United States of America Citizen