

Yixin Qian

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EDUCATION

- **University of British Columbia** Vancouver, BC
Bachelor of Computer Engineering September 2017 – May 2022
 - **Overall Grade Average:** 89%
 - **Relevant Coursework:** Principles of Software Construction (Java), Digital Systems Design, Algorithm Design and Analysis, Project Management Skills, Cybersecurity, Deep Learning

EMPLOYMENT

- **Amazon** Vancouver, BC
Software Development Engineer Aug, 2022 – Jan, 2023
 - **Backend Development:** Integrated Amazon disbursement service with a new banking partner's API via AWS Lambda to enhance disbursement speed and improve seller experience
 - **Collaboration:** Cooperated with partner team to develop a new customer experience at Amazon Seller Central via AngularJS and Spring Boot, enabling the successful launch of the project
 - **Presentation:** Document and presented integration test proposal to assist the team in evaluating two approaches and finalizing the implementation plan
- **IBM** Ottawa, On
Software Developer Intern May, 2020 – August, 2021
 - **Web Development:** Developed a DevOps tool named Test Result Summary Service using ReactJS and NodeJS to monitor nightly & release builds and assist developers in addressing failed tests
 - **Automation Pipeline:** Supported parallelization in Jenkins to divide test cases into smaller builds and execute them concurrently which achieved a balanced load and optimal overall testing throughput
 - **Dockerization:** Dockerized DevOps tool into three containers and pre-inserted sample data so users can start the application with a single command
 - **Presentation:** Demonstrated and introduced new features of DevOps tool at weekly OpenJ9 Community Call to help developers from IBM, Microsoft and Redhat monitor test pipelines more easily
- **Wonders Information Co., Ltd.** Shanghai, China
Full Stack Developer Intern May, 2019 – August, 2019
 - **Web Development:** Utilized distributed system framework Dubbo to implement sales control chart, client filtering system, financial center and contract downloading functionality based on Spring Boot, Poi, Vue.js
 - **Code Optimization:** Resolved issues of HTTP requests with poor time performance by examining each layer of server end, optimizing SQL(Mybatis) and generating more efficient data structure
 - **Interface to External Service:** Devised a microservice module to interact with Alibaba Cloud Service(OSS), allowing administrator to upload documents with specific access key and signature
 - **Teamwork:** Cooperated with front end developers to specify implementation of API in great detail. Adjusted API documentation in time and communicated with colleagues when changes were made

SELECTED PROJECTS

- **Access Youth App** UBC LaunchPad
iOS Developer September, 2019 – May, 2020
 - **Communication:** Arranged meetings with the stakeholders under agile development guidelines to better verify and validate requirements within given timeline
 - **iOS Development:** Utilized Mapkit to track location of service and client. Handled HTTP requests with a resolver to have multiple versions of network stack, supporting app with offline mode
 - **Backend Development:** Developed server end using typescript and MongoDB to store and broadcast counsellor's location to hundreds of youth in need in the tri-cities area

PROGRAMMING SKILLS

- **Languages:** Java, C, C++, Python, TypeScript, JavaScript
- **Technologies:** Spring Boot, Lambda, MySQL, MongoDB, IOS, Vue.js, React.js, Angular.js, Nginx, Docker