Gary Xie

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Skills

Languages: Python, JavaScript/TypeScript, C, C++, Java, Go, SQL, Bash, HTML/CSS
Frameworks: React, Vue, Redux, Flask, Node.js, Express, MySQL, PostgreSQL, MongoDB, Redis
Tools: Git, Docker, Jenkins, Agile, Scrum, Jira, Unix/Linux

Education

University of Toronto   *Sep 2018 - Dec 2022 (Expected)*
Honours Bachelor of Computer Science

- GPA: **3.98**/4.0
- **Awards:** President's Scholar of Excellence, Dean's List
- **Key Courses:** Systems Programming, Databases, Operating Systems, Software Design, Algorithms and Data Structures

Experience

Amazon   Vancouver, Canada
Software Development Engineer Intern   *May 2022 - Aug 2022*

- Incoming, Summer 2022

IBM   Markham, Canada
Software Engineer Intern   *May 2020 - Aug 2021*

- Maintained and developed an internal web application for business analytics and headcount reporting used by 500+ concurrent users, built using **TypeScript**, **React**, **Node.js**, **Express**, and **SQL**
- Developed **time management** and **prioritization** skills, and thrived in a high pressure environment by completing a major project on time where the deadline was moved forward at the last minute
- Headed the implementation of adding unit and integration tests into team's development workflow and integrating them into CI/CD pipeline using **Jest** and **Jenkins**, resulting in increased confidence in production-ready code and fewer uncaught bugs
- **Mentored** a team of 4 interns through pair programming, code reviews, and technical lessons
- Optimized inefficient **SQL** queries, resulting in **80%** decrease in average server response time

Verto Health   Toronto, Canada
Full Stack Software Developer Intern   *Sep 2019 - Dec 2019*

- Spearheaded the product development of a new mobile application using **React Native** and **Ruby on Rails**, with a strong emphasis on delivering an excellent UI/UX for the client and implementing a well-designed RESTful API for future scalability
- Developed **Python** script to automate parsing and manipulation of large JSON files with more than 10,000 lines, saving developers over **20 hours** of inefficient manual work
- Communicated and **collaborated** with a multi-disciplinary teams of developers, designers, and product managers on a daily basis in an **Agile** environment

Projects

Code Cube   code-cube.garyxie.me
Go, MongoDB, React, TypeScript   *Jun 2021 - Aug 2021*

- An online front-end development live code editor for prototyping with HTML, CSS, and JavaScript
- Implemented authentication using Google and Github **OAuth** providers

Video Chat App   video-chat.garyxie.me
React, TypeScript, Socket.io, WebRTC   *Jul 2021 - Aug 2021*

- A web application to communicate synchronously with others online via video chat
- Leveraged **WebSocket** and **WebRTC** protocols to create a fast and seamless real-time video and audio sharing experience