

Gary Xie

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Experience

- IBM**
Software Developer Intern
May 2020 - Present
Markham, ON
- Increased confidence in production-ready code by implementing unit and integration tests into team's development workflow and integrating them into existing CI/CD pipeline using **Jenkins**
 - Decreased server response time by over **80%** by optimizing inefficient and complex SQL queries to the database, resulting in improving the average page load time from **~14s** to **~3s**
 - Improved administration efficiency by implementing a new access control management and validation system to streamline and reduce human error, leading to savings of more than **10 hours** of manual work each month in user access management
- Verto**
Full Stack Developer Intern
Sep. 2019 - Dec. 2019
Toronto, ON
- Spearheaded in a team of 2 the 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 clean and 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 unproductive and inefficient manual work
 - Communicated and collaborated with multi-disciplinary teams of developers, designers, and product managers on a daily basis in an **Agile** environment

Technical Skills

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|------------------|--|
| Languages | TypeScript, JavaScript, Python, Golang, PHP, Ruby, Bash, SQL |
| Front-end | React, Next.js, React Native, Redux, Vue |
| Back-end | Node.js, Express.js, PostgreSQL, MongoDB, Redis |
| Other | Git, Jest, Jenkins, Docker, Agile |

Education

- University of Toronto**
Honours Bachelor of Science, **Computer Science**, Co-op
Sep. 2018 - Present
- University of Toronto President's Scholar of Excellence
 - Dean's List 2018-2020
 - CGPA: **3.98/4.0**

Projects

- Video Chat App**
Socket.io, WebRTC, React, TypeScript, Next.js, Tailwind CSS
Jul. 2021 - Aug. 2021
garyjx-video-chat.vercel.app
- Web application to connect online with others via video chat
 - Leveraged WebSocket and WebRTC protocols to create a fast, real-time, and seamless video and audio sharing experience
 - Designed and developed user interaction flow to enhance UX
- Find My IP**
React, TypeScript, Next.js
Jul. 2021
garyjx-find-my-ip.vercel.app
- Web application for finding public information regarding your IP address, including ISP, location, and time zone
 - Integrated connecting to external APIs to combine data and display it in a organized manner
 - Designed and implemented clean, mobile-responsive UI