

Quinn Ha

quinnha.hello@gmail.com | linkedin.com/in/quinn-ha/ | github.com/quinnha | quinnha.xyz

EDUCATION

McMaster University

B.Eng in Software Engineering with Co-op ☞

Hamilton, ON

Jul. 2019 - May 2024

- GPA: 4.0
- Relevant Coursework: Data Structures and Algorithms, Databases, Concurrent Programming, Software Design

EXPERIENCE

Google

Software Engineering Intern

May 2023 - Aug 2023

New York City, NY

- Developed Google Slides captions enhancements in Java and Javascript, leveraging AI speech APIs to enable accessibility features for over 159 million monthly users.
- Designed and engineered improvements to existing keyboard shortcuts infrastructure, enabling an increasing developer velocity for more than 500 developers.
- Created and implemented a test plan which included over 50 new unit tests, 3 new testing mocks, and assistive technology testing to ensure code functionality and robustness.

Purolator Inc.

Product Management Intern

May 2022 - Aug 2022

Toronto, ON

- Championed various product features for Purolator's B2B, B2C, and internal tools, resulting in an 4% increase in adoption rate, and a \$60,000 reduction in monthly operations costs.
- Spearheaded Purolator's first internal digital data product to drive roadmap planning, increasing KPI's by 3%.
- Led interviews and usability testing sessions, leading to the inception of over 6 new features.

Canadian Space Agency

Software Developer Intern

May 2021 - Aug 2021

Montreal, QC

- Engineered a FreeRTOS port in C for NASA's Core Flight System (cFS), unblocking development for over 10 models of micro-controllers for the Lunar Gateway and Canadarm3 missions.
- Developed an Operating System Abstraction Layer (OSAL) for a 32-bit system architecture, enabling core systems to interface OS applications such as semaphores, queues, and tasks.
- Designed and integrated CMake scripts into core cFS layers, extending software architecture to integrate custom FreeRTOS implementation with 5 mission applications.

Equitable Bank

Automated QA Engineer Intern

May 2020 - Aug 2020

Toronto, ON

- Engineered over 200 automated testing scripts for web and mobile applications with JMeter and SoapUI.
- Built an automated daily testing framework using ProtractorJS, decreasing average time of test by 60% and increasing testing efficiency by 3%.
- Performed data analytics on testing results, collaborating with developers to decrease average loadtime by 10%.

OTHER PROFESSIONAL EXPERIENCE

McMaster University

Teaching Assistant

Jan 2021 - Present

Hamilton, ON

- Performed as a teaching assistant for the course 1CP3: C++ Programming, 1PR3: Object-Oriented Programming in C++ and 1P13: Integrated Cornerstone Design Projects in Engineering.
- Delivered lectures and lab content for over 100 students on programming in Python and C++, including concepts such as data structures, control structures, and algorithm design.

TECHNICAL SKILLS

Languages: Javascript, Java, Python, C/C++, MySQL, MATLAB

Web Development: HTML5, CSS, Javascript, React, NodeJS

Other Tools: Git, Linux, Docker, FreeRTOS