Quinn Ha

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EDUCATION

McMaster University   *Sept. 2019 – Apr. 2024*
- Junior in Software Engineering, Bachelor of Engineering (GPA: 3.8)
- Expected Graduation: Apr. 2024
- Relevant Courses: Data Structures and Algorithms, Databases, Software Design, Concurrent Programming

SKILLS

Languages: Python, Java, C/C++, SQL
Tools: Jira, Confluence, Notion, Figma, Medium, Miro

EXPERIENCE

Product Manager Intern | Purolator Inc   *May. 2022 – Aug. 2022*
- Championed various product features and user requirements for Purolator's B2B and B2C tools, resulting in an 4% increase in adoption rate, and a $60,000 reduction in monthly operations costs.
- Worked collaboratively with Engineering, Marketing, Legal, and UX teams to drive product vision, aligning relevant stakeholders to ease customer pain points while aligning with business values.
- Led the inception of Purolator's first internal digital data product, conducting competitive analysis, user interviews, and iterating on user requirements.

cFS Developer Intern | Canadian Space Agency   *May. 2021 – Aug. 2021*
- Engineered a FreeRTOS port in C for NASA's Core Flight System (cFS), a reusable software framework with flight heritage in several space 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, enabling connection of FreeRTOS OSAL with mission applications.

Data Science Intern | The Sparks Foundation   *Nov. 2020 – Dec. 2020*
- Developed supervised and unsupervised machine learning models to predict optimum cluster samples in Python, using Pandas, NumPy, and Sklearn.
- Performed data analysis using Matplotlib, Seaborn, discovering trends in market data.

Automation QA Specialist Intern | Equitable Bank   *Jun. 2020 – Aug. 2020*
- Engineered and performed over 200 automated testing scripts for Equitable Bank's web and mobile applications with JMeter, and SoapUI.
- Successfully implemented an automated daily mobile testing framework for Equitable Bank's multi-million-dollar application, which was integrated into the CI/CD pipeline.
- Performed data analytics on testing results, collaborating with developers to increase efficiency by 10%.

LEADERSHIP

Teaching Assistant | McMaster University   *Jan. 2021 – Present*
- Performed as a teaching assistant for the course 1P13: Integrated Cornerstone Design Projects in Engineering, 1CP3: C++ Programming, and 1PR3: Object-Oriented Programming in C++
- 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.

Senior Marketing Executive | McMaster Design League   *Oct. 2020 – Jul. 2021*
- Designed world's largest UI/UX and CAD Design competition with over 2000 total competitors from 30+ countries.
- Analysed consumer and marketing trends and data, leading a team to successfully scaled social media following and engagements by over 200% in 8 months.