

Manan Kharwar

 kharwarm@mcmaster.ca • (647)-679-3958 •  Greater Toronto Area • in MananKharwar •  LeetCode

EDUCATION

McMaster University

Hamilton, ON, Canada

BEng in Engineering Physics (Minor: Computer Science)

Sep 2019 - May 2024

- Engineering Int'l Honors Award Recipient
- Relevant Courses: Data Structures & Algorithms, Object Oriented Programming, Programming Controllers
- Clubs & Teams: President @student's club, Co-op Ambassador, Career Resource Assistant

SKILLS & INTERESTS

Languages/Frameworks: Java, Python, Bash, JavaScript, TypeScript, Next.js React, Kubernetes

DevTools: Git, Docker, CI/CD, Jenkins, Angular, OpenShift, Algorand, MaterialUI, Plotly.js, JIRA

WORK EXPERIENCE

Test Automation Co-op (Data & Analytics Team)

Toronto, ON, Canada

Ceridian HCM

May 2023 – August 2023

- Coordinated with developers, QA, and product owners to produce stable, maintainable, and reliable automated tests
- Dealt with the false positives that came up with automated testing, ensuring the test suite remained up to date

DevTestSecOps Developer Co-op (ChaosMonkeys Team)

Toronto, ON, Canada

Intact Insurance Corporation

May 2022 – April 2023

- Developed, & improved a dashboard that gathered and visualized various KPI's from all phases of the SDLC
- Built with Next.js React framework using Material-UI, Plotly.js components, served with Express, & TypeScript
- Maintained, built, and integrated pipelines and software deployment streams using Docker, & OpenShift environment
- Ensured security and quality of the code using Veracode, TwistLock, Nexus IQ scans, & SonarQube for quality

Network Engineer Co-op (Wireless Engineering Team)

Mississauga, ON, Canada

Bell Canada

May 2021 – August 2021

- Saved the company over 250 man-hours per year by architecting a new system to automate database xml workflows
- Designed a product to evaluate environmental, social & governance ("ESG") integration across client portfolios

Augmented Reality Software Developer Co-op (R&D Team)

Hamilton, ON, Canada

Pulse Lifesaving

May 2020 – August 2020

- Experimented with Microsoft HoloLens 2 to bring holographic lifesaving courses to reality
- Led in the design, development, and implementation of 25+ graphics, layouts, & production materials

EXTRACURRICULARS

Decentralized Algorand Payroll (Overall 3rd prize)

Menlo Park, California, USA

Robinhood – Hackathon for Social Good

June 2022 – Sep 2022

- Developed and deployed an android application using the Algorand's blockchain atomic transfer and smart contracts
- Generated unsigned transactions and added node to blockchain using Algorand's Sandbox & Node.js in real-time

Ground Controls Software Specialist (Ground Engineering sub-team)

Hamilton, ON, Canada

McMaster Rocketry

August 2021 – August 2022

- Built a real-time rocket management software by wireless communication using Java
- Focused on multiple aspects of ground controls including post flight data visualization & rocket testing