

SKILLS

Languages: Python, C#, Java, C, SQL, JavaScript
Frameworks: Spring Boot, .NET (Core), Angular
Tools: AWS, Git, Docker, Kubernetes, PostgreSQL, REST API, Selenium
Machine Learning: PyTorch, Scikit-learn, NumPy, OpenCV, RAG

WORK EXPERIENCE

Machine Learning Intern 05/2025 – 08/2025
Autodesk Toronto, Canada

- Built an **agentic chatbot** for software-package management that plans multi-step workflows (**create, edit, find, & delete**) & orchestrates cross-service tool calls, delivering **90%** action accuracy & **\$6.7M/year** projected customer savings at rollout.
- Implemented **RAG**-powered semantic search for find feature across **1000+** package configs with **10×** faster lookups
- Added **JWT** feature flag to switch between hard-coded roles & **3-legged** token, enabling safe staged migration

LLM Robotics Researcher 09/2024 – 04/2025
MEDCVR at UofT Toronto, Canada

- Designed a **multi-agent** robotics application with VLMs & LLMs for autonomous surgical tasks
- Developed high-level motion planning, low-level action functions & deployed code on **Franka Emika** robot

Software Engineering Intern 09/2024 – 04/2025
Thomson Reuters Toronto, Canada

- Resolved **20** production issues & migrated **C#** backend services, improving platform stability by **15%**
- Managed **monthly releases**, cherry-picking cross-functional changes, ensuring **98%** on-time delivery
- Developed **25** SQL scripts to fix bugs & deliver features for **20,000** customers across seven environments

Software Engineering Intern 05/2024 – 08/2024
TD Bank Toronto, Canada

- Built “Maintain Holiday” webpage for Registered Products Database using **Spring Boot & Angular**
- Authored Selenium-based regression scripts, cutting test time by **500%** & providing **\$25,000/year** savings

Software Engineering Intern 05/2023 – 08/2023
Nokia Toronto, Canada

- Implemented & tested iSIM features in **Java**, enabling Airtel to monitor **100 million** users
- Resolved **100** code issues & **7** critical security flaws, boosting performance & stability by **5%**

Teaching Assistant 01/2023 – 04/2025
University of Toronto Toronto, Canada

- TAed **CSC207 (Software Design)** & **CSC209 (Systems Programming)**; supported **500+** students through labs, grading, & office hours
- Created **Java & JavaFX** assignments & test suites, reducing grading time by **50%**

EDUCATION

HBSc: University of Toronto - Computer Science (AI) 09/2021 – 05/2026
4× Hackathon Winner · 2× Dean’s List · CGPA 3.85/4.00

Awards: International Scholar (\$180K), Principal’s Entry (\$12K), UofT Scholar (\$7.5K) Toronto, Canada

National University of Singapore 01/2024 – 04/2024
Semester Exchange Program Singapore

Coursework: Data Structures, Systems Programming, Artificial Intelligence, Machine Learning, Computer Vision

PROJECTS

Watchful.AI – PennApps XXV Hackathon Winner 09/2024

- Built an **AI-security** system using **fastAPI** & **vector DB** to monitor campus video feeds for threat detection. Won **Best Privacy/Security Hack** & **Most Technically Complex Hack** among 104 teams