

Matthieu Wong

Ottawa, Ontario

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Education

University of Ottawa

Sep. 2025 – Present

Joint Honors in Computer Science and Mathematics

Ottawa, Ontario

- Awarded Differential Tuition Fee Exemption.
- Fall 2025 Recognition of Excellence Dean's Honour List – 9.4 CGPA
- Winter 2026 Recognition of Excellence Dean's Honour List – 9.2 CGPA

Experience

Rogers Capital

May 2026 – Jun. 2026

AI and Digital Factory Intern

Mauritius

- Co-developed a **Python-based document-processing tool** to organize, label, and flag relevant company files/logs in **SharePoint**.
- Used **REST APIs**, **JSON**, and **relational databases** to support backend workflows.

Ernst and Young

Apr. 2025 – Jun. 2025

Cyber Security Intern

Mauritius

- Completed hands-on **cybersecurity** exercises using **Metasploit** and **Burp Suite**.
- Shadowed senior employees during **penetration testing** exercises using **Kali Linux** and **Nmap**.
- Assisted in the writing and formatting of product proposals, and wrote minutes for meetings with international clients.

Air Mauritius Limited

Feb. 2025 – Mar. 2025

IT Systems Administration and IT Helpdesk Intern

Mauritius

- End-User Computing Support – Installed and configured laptops with required operating systems, antivirus, and essential software.
- Systems Administration Assistance – Assisted Systems Administrators with organizing **VLANs** (virtual local area networks).
- Microsoft Teams Support – Created a company user guide for installing and using **Microsoft Teams** on mobile devices.

Projects

Hack the Hill III – Winner

Sep. 2026

Python, CSS, JavaScript, Git, HTML

- CO-developed DX Medical, awarded **1st place** for the best general project at Hack the Hill III.
- Developed an **AI-powered simulator** used to train medical students for real-time consultations by creating conversational AI patients.
- Implemented **ElevenLabs** and **Gemini APIs** to simulate real conversations and patients from different demographics.

uOttHack 8th Edition

Jan. 2026

Python, CSS, JavaScript, Git, HTML

- Worked with a team to build a tool that analyzes planned **flight trajectory data** to optimize routes involving airspace conflicts.
- Integrated the **OpenRouter AI API (LLaMA 3.1-8B)** to suggest advisory operational adjustments.

IEEE uOttawa x HackTheBox CTF – Winner

Jan. 2026

- Awarded most captured flag in the event.
- Developed critical skills involving **penetration testing**, **cross-site scripting**, web exploitation, cryptography, and **reverse engineering**.

uOttawa Chess Hackathon

Oct. 2025

Python

- Built a python **AI chess bot** that implements **alpha-beta pruning**, **iterative deepening**, **transposition tables**, and algorithm optimization, to improve move-search efficiency.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, IntelliJ IDEA

Technologies/Frameworks: Linux, GitHub, JUnit

Leadership and Activities

Scout Leader

2016 – 2024

- Spent eight years as a Boy Scout, reaching the highest rank of Patrol Leader; developed team leadership, people/interpersonal skills, and outdoor skills.

Associated Board of the Royal Schools of Music Grade 8 Piano

2013 – 2023

- Achieved the highest numbered-level and final standard grade in the ABRSM syllabus with the best possible mention: Distinction.