

Kalan Li

kalan.li@mail.mcgill.ca

+1 (514) 578-2496

[LinkedIn](#)

Montreal, QC

Education

Bachelor of Software Engineering (Co-op)

September 2024 - May 2028

McGill University, Montreal, QC

- Awarded the *Alma Mater Scholarship*
- GPA: 4.0

DEC: Enriched Health Sciences

August 2022 - June 2024

Dawson College, Montreal, QC

- *R-Score*: 36
- *Dean's Honor List*: Fall 2022, Winter 2022, Fall 2023, Winter 2023

Skills

- **Programming Languages**: Python, Java, C, Javascript/HTML/CSS, Bash
- **Libraries**: MongoDB, React.js, NumPy, Node.js, matplotlib, pandas
- **Developer Tooling**: GitHub, git, npm, Linux
- **Languages**: Fluent in English and French

Software Projects/Experience

McGill Rocket Team

September 2024 - Present

Mobile Antenna Ground Station sub-team

- Developed software PID control system of mobile ground antenna.
- Implemented a dynamic state model in Python to control antenna movement, leveraging MQTT for low-latency communication with the rocket's onboard systems.

WebVulture | Automated SQL injection tool Website

January 2025

- Developed a web-based platform for automated SQL injection testing, allowing users to run penetration tests through a simple and intuitive UI.
- Built using ReactJS for the frontend and integrated with SQLMap for backend exploitation automation.
- [GitHub Repository](#)

@hackctf 2025 Winner | Cybersecurity CTF Hackathon

February 2025

- Competed in a 24-hour cybersecurity hackathon, securing 1st place as part of a 4-person team.
- Solved advanced challenges across cryptography, web exploitation, OSINT, steganography, and reverse engineering.

CyberSci Canada | Cybersecurity CTF Hackathon

November 2024

- Represented McGill on a team of 4 students, achieving a top 10 finish with a 9th place overall.
- Demonstrated expertise in solving complex cybersecurity challenges, including cryptography, network forensics, and web exploitation.
- Enhanced collaborative and problem-solving skills under high-pressure conditions.

Past Work Experience

Camp Counsellor and Instructor

June 2023 - September 2023

Pedalheads, Saint-Laurent, QC

- Supervised and ensured the safety of children.
- Instructed children to ride bikes safely.

Volunteering

Hospital Elder Life Program Super Volunteer

May 2023 - Present

Jewish General Hospital, Montreal, QC

- 100+ hours helping patients with orientation, recreation, and physical activities.
- Evaluator of other volunteers.