

Qian Qian

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EDUCATION

University of Waterloo

Candidate of Bachelor of Software Engineering, Honours Software Engineering, Co-op

Waterloo, Ontario, Canada

2025 — 2030

Vanier College

Diploma of College Studies, Computer Science & Mathematics

Montreal, Quebec, Canada

2023 — 2025

SKILLS

- **Languages:** Kotlin, Java, Python, Rust, Swift, Typst, LaTeX
- **Technologies:** Git, GitHub Actions, Ktor, Flask, Probot, SwiftUI, Quilt, Linux, NGINX

EXPERIENCE

Software Developer

Waterloo Rocketry

Sep 2025 — Present

Waterloo, Ontario, Canada

- Developed the Mission Control System (ground station and data acquisition system) infrastructure using Docker, Ansible, and Python to improve deployment efficiency and reliability.
- Mentored less experienced team members on software development best practices and tools, fostering a collaborative learning environment.

Teaching Assistant, Data Structures and Object Oriented Programming

Vanier College

Jan 2025 — May 2025

Montreal, Quebec, Canada

- Supported 61 students across 2 sections by clarifying course concepts and assignment requirements.
- Graded 6 assignments and evaluations throughout the semester, ensuring consistent and timely feedback.

Sub-Captain, Programming Competition Subteam



Sep 2024 — May 2025

Vanier Robotics Team

Montreal, Quebec, Canada

- Organized and led 10+ Python and algorithm-focused preparatory workshops to prepare team members.
- Achieved 1st place in Division 1 at CRC TakTik 2025 programming competition as part of the team.

Tutor, Math and Science

Vanier College

Feb 2024 — Jul 2025

Montreal, Quebec, Canada

- Tutored 30+ fellow students in Math, Physics, and Java-based Computer Science courses through the school-run peer tutoring program, creating 50+ original practice problems to reinforce core concepts and promote critical thinking.

PROJECTS

Developer, Typstify



Jul 2024 — Present

- Developed the application, a Typst editor for iPadOS, using Swift, SwiftUI, and Rust bridged by chinedufn/swift-bridge.
- Contributed to 3 open-source dependencies of the project.

Maintainer, ungoogled-chromium-macos



Nov 2023 — Present

- Maintained macOS packaging of the Ungoogled-Chromium browser by tracking and packaging Chromium updates downstream, resulting in 100+ timely macOS releases delivered to over 5,000 users.
- Optimized GitHub Actions workflows to automate builds and releases, reducing CI build time by 40%.

ADDITIONAL INFORMATION

- **Honour and Awards:** Winner of Hack the North 2025 QNX Software Challenge, Canadian Senior Mathematics Contest Distinction (2024), 2 x Canadian Computing Competition Distinction (2023, 2024)
- **Activities:** Programming Competition Problem Setter at CRC Robotics