

Quang Minh Le

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Education

University of Ottawa

Ottawa, Ontario, Canada

Bachelor of Computer Science, Co-op, Bilingual Program (French/ English)

Sep 2021 – May 2026

- Scholarship: Differential Tuition Fee Exemption
- Courseworks: Object-Oriented Design, Operating Systems, Data Structures, Networking (TCP/IP), Software Development (Android App & React Web App)

Experience

Canadian Mathematical Society | IT and Project Assistant Co-op

Sep 2024 – Dec 2024

- Developed and maintained CMS web apps with Python, Django, Docker, PostgreSQL, ensuring high performance and scalability; managed content using WordPress and familiar with Drupal
- Designed and deployed a Vue.js & Flutter Flow web app, reducing event schedule lookup time by 70%

University of Ottawa | Devops Engineer, QA Engineer Co-op

Jan 2024 – Apr 2024

- Developed automation test cases for API testing using PyTest, and Postman, reducing manual effort by 50%
- Migrated 20+ service RESTful APIs from Java-based ESB to Node.js with robust API integration, enhancing system reliability and maintainability
- Integrated CI/CD pipelines using GitLab CI/CD, Docker, and Kubernetes for automated testing and deployment
- Developed unit tests with JUnit, PyTest for API services, reducing bugs by 40%

University of Ottawa | Computing Analyst Assistant

May 2023 - Aug 2023

- Streamlined app installer storage with GitLab for better version control
- Enhanced deployment efficiency by designing 100+ customized installers using PSAppDeployToolkit, improving deployment efficiency and reducing installation time by 90%

Bac Ha Software Co., Ltd. | ReactJS Developer Intern

Jun 2022 - Aug 2022

- Developed dynamic and accessible React applications with TypeScript, JavaScript, and Redux
- Worked closely with UX designers to enhance user experience

Teaching Assistant | STEAM for Vietnam Foundation

Dec 2024 – Current

- Designed and delivered computer science courses covering Python programming, databases (SQL), algorithms, and data structures for secondary school students
- Assisted in remote classes, providing guidance and support to students while fostering an engaging environment

Projects

Hack The Fllush | Hackathon Project - uOttHack 2025 (React, Flask, Event-Driven Architecture, Solace PubSub+)

Real-time IoT web app using sensor data to track restroom availability, implemented real-time event-driven architecture with PubSub+ for low-latency updates, with a responsive React interface, optimizing user interaction

LittleEye | Hackathon Project - Hack The Hill 2023 (API Integration, JavaScript, React, Flask, Firebase)

Web app leveraging generative AI for assistive object recognition, built with React, Flask, and Firebase, equipped with real-time voice command features and integrated APIs for seamless interaction

Skills

Languages: Java, Python, JavaScript, TypeScript, C#, Go, HTML, CSS, SQL, Bash Scripting

Technologies & Tools: PyTest, JUnit, Postman, API Testing, React, Redux, GraphQL, Node.js, Vue.js, Django, MySQL, MongoDB, Docker, Git, Linux, Kubernetes, AWS (S3, Lambda, EC2), Bootstrap, Jira, Agile, Confluence, Flask