Quang Minh Le

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Education

University of Ottawa   *Ottawa, Ontario, Canada*
Bachelor of Computer Science, Co-operative Education, French Immersion   Sep 2021 – May 2026
  – Differential Tuition Fee Exemption Scholarship
  – Courseworks: Object-oriented design, operating systems, algorithms, data structures, and complexity analysis

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

Canadian Mathematical Society | *IT and Project Assistant Co-op*   **Sep 2024 – Dec 2024**

  – Led development and maintenance of CMS web apps with Python, Django, Docker, and PostgreSQL to ensure scalability and performance, improved system administration with Linux/Unix (WSL2), streamlining operations
  – Designed and deployed a mobile app using Flutter Flow, JavaScript, and VueJS, enabling 500+ speakers to track event schedules seamlessly and reducing time spent finding rooms and speakers by 70%

University of Ottawa | *Devops Engineer, QA Engineer Co-op*   **Jan 2024 – Apr 2024**

  – Migrated 20+ service APIs from Java-based ESB to Node.js with robust API integration, enhancing system reliability and maintainability
  – Deployed web services on Docker and Kubernetes, ensuring scalability and optimized resource utilization
  – Streamlined QA processes by testing APIs with Postman, validating functionality with Selenium, and enhancing workflows through technical documentation and meetings

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**

  – Collaborated with cross-functional teams to develop front-end web app using ReactJS, and Redux Thunk
  – Enhanced web interfaces using TypeScript and React, delivering dynamic features aligned with user needs

Projects

Hack The Fllush | *Hackathon Project - uOttaHack 2025*   *(React, Python, Flask, Bootstrap, Solace PubSub+)*

Real-time IoT web app using sensor data to track restroom availability, powered by Solace PubSub+ for instant updates, with a responsive React interface, optimizing real-time data streaming and user interaction

LittleEye | *Hackathon Project - Hack The Hill 2023*   *(JavaScript, React, HTML, CSS, Python, 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: Python, JavaScript, TypeScript, Java, C#, Go, HTML, CSS, SQL, Bash, R
Technologies: Pubsub+ Cloud, React, Redux, Node.js, Django, MongoDB, Angular, Docker, Git, Linux, Kubernetes, AWS, Bootstrap, Jira, Agile, Confluence, Flask, Postman, Selenium