

TRONG HIEU (LUCAS) VUONG

☎ 250-880-6181 ✉ hieuvg02@gmail.com [in linkedin.com/in/lucasvuong](https://www.linkedin.com/in/lucasvuong) github.com/hieuvuong2310

EDUCATION

University of Victoria

Bachelor of Science in Computer Science, Honours - GPA 4.0

Victoria, BC

EXPERIENCE

Shopify

Jan 2026 - Apr 2026

Software Engineer Intern

Toronto, ON

- Built a CI/CD pipeline for BigQuery workflows using GitHub, Pub/Sub, and Cloud Run, enabling **version-controlled deployments** and **real-time Slack alerting**; onboarded a second team and eliminated manual query management.
- Developed a Ruby monitoring workflow for Google Data Fusion pipelines running every 5 minutes with Slack alerts for stalled jobs; **eliminated manual hourly checks and reduced incident detection time from days to minutes**.
- Built a NetSuite-Gumloop invoice reconciliation pipeline to detect discrepancies between system entries and source invoices; **processed hundreds of invoices in 6 minutes, reducing manual verification from hours to minutes**
- Designed an internal MCP server to centralize financial data and domain knowledge for accountants, improving data accessibility and reducing reliance on ad-hoc queries.

SAP

Jan 2024 - Dec 2024

DevOps Engineer

Vancouver, BC

- Migrated CI pipelines to the Converged Cloud, improving build stability and **cutting average runtime by 30 minutes** while **reducing flaky tests by 30%**, resulting in faster merges and less developer downtime.
- Built an automated Jenkins pipeline to **detect and quarantine flaky tests, unblocking 15% of developers** from daily merge failures while auto-notifying owners and creating Jira tickets for streamlining triage and accountability.
- Monitored deployment, **released the latest fix to 60 customer groups**, and maintained automated sanity tests in TypeScript to ensure smoother weekly releases and enhance customer satisfaction.

Government of British Columbia

Sep 2023 - Dec 2023

Fullstack Developer Intern

Victoria, BC

- Designed and translated Figma UI prototype to a **Vue.js** web application hosted on the BC Government website.
- Leveraged **Zenhub GraphQL API** for up to **50 working Github repositories** to provide all products release notes.
- Spearheaded **Agile methodologies** by setting up a Scrum board, hosted over 6 iterations of two-week sprint cycle and configured **GitHub Actions CI/CD** pipeline that automates tests, deployment on **Google Cloud** and lint checking.

Atimi Software Inc

May 2022 - Dec 2022

Software Engineer Intern

Vancouver, BC

- Translated over **400 user actions** into carefully crafted end-to-end (E2E) tests using **Java, Appium, and Selenium**, increasing **50% of early risk detection** and ensuring app performance and stability for **1000+ user testing accounts**.
- Automated test runs, effectively **saving around 45 hours** of engineering time per week spent on manual testing.
- Leveraged **regular expression (Regex)** to validate data format on web and mobile interface during test runs.

PROJECTS

Y Combinator Startup Prize | Hack The North 2025

- Developed an **AI-driven analytics dashboard** that automates insurance risk assessment during claim processing by using **Reinforcement Learning models** to extract and score insights from customer documents.
- Built the frontend in Next.js + TailwindCSS with fast filters, pagination, and interactive plots; authorization with **Auth0**, a **Cohere-powered policy Q&A chatbot**, and **Python RL services**.

T9 Keyboard and Joystick Interface for Accessibility |

- Implemented a custom hardware interface with an **Arduino Uno-based 9-key keyboard and joystick mouse**, implementing a T9 predictive algorithm for efficient text input and joystick-driven cursor control.
- Developed a full-stack companion platform with a Next.js/TailwindCSS/Shadcn UI frontend for **drag-and-drop website building** and a backend using **SerialPort and Socket.IO to stream real-time input from hardware**.

TECHNICAL SKILLS

Tools: Python, Java, Groovy C, HTML/CSS, JavaScript, TypeScript, Swift, SQL, GraphQL, RestAPI, Redis, RabbitMQ

Database: MongoDB, Supabase, Firebase, PostgreSQL, DynamoDB, SAP HANA Cloud

Technologies/Frameworks: Jenkins, GitHub Action, Docker, Next.js, Vue.js, React.js, Node.js, SwiftUI