

Cameron Lee

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EDUCATION

University of British Columbia
Bachelor of Science, Computer Science

Vancouver, BC
Sep. 2022 - Apr 2026

WORK EXPERIENCE

Software Engineering Intern

Jan - May 2025

Tesla

Palo Alto, CA

- Developing automation solutions for manual processes related to car registration, insurance, and incentives.
- Saving approximately 16,000 hours of manual work by creating an automated car registration service.
- Utilizing ABBYY and C# to recognize, process, and update car registrations and certificates of origin.

Software Engineering Intern

Jan - Sep 2024

SAP

Vancouver, BC

- Contributed to developing SAP Analytics Cloud, focusing on bug fixes, feature work and optimizations.
- Increased test code coverage from 65% to 95% through feature enhancements, bug fixes and regression tests.
- Improved efficiency by 40% by refactoring existing code to optimize SQL calls and redundant database calls.
- Developed Selenium WebDriver tests to validate the rendering of UI components from various user flows.
- Migrated all existing resource models to an optimized model design, decreasing content load and rendering times.
- Completed operational tasks, fixing high-priority Dynatrace bugs and deploying and validating version bumps.

QA Analyst

Jun - Aug 2021

ACD Systems

Victoria, BC

- Developed end-to-end automated Python test cases that would verify user flows were at the correct state.
- Gathered requirements for comprehensive test cases to ensure UI components were working end-to-end.
- Tested a variety of UI components on different operating systems and browsers to ensure compatibility.

PERSONAL PROJECTS AND EXPERIENCES

PlantPals

Oct 2024

StormHacks - <https://devpost.com/software/plantpals-zf89td>

Vancouver, BC

- Achieved best hardware hack and best environmental hack, building an integrated hardware and software plant analytics app.
- Developed a React Native mobile app with a Raspberry Pi and ESP32 hardware system using various sensors communicating data over a hosted network.

Booktrail

Jan 2024

nwHacks - <https://booktrail.tech>

Vancouver, BC

- Achieved 2nd place and best implementation of Mappedin SDK out of 750+ competitors, building a library navigator that takes you directly from book title to shelf.
- Utilized Next.js to create a mobile-first web app with Auth0, MongoDB and Open Library API endpoints.

Submarine Software Developer

Sep 2023 - May 2024

UBC's Submarine Design Team - <https://subc.ca/>

Vancouver, BC

- Developed Python applications to seamlessly stream video for pilot visualization and display real-time data acquired from microchips and sensors.
- Spearheading development on an underwater autonomous course correction and steering project using OpenCV and in-house IMU chip data.

Machine Learning Engineer

Sep 2024 - Present

UBC Agrobot - <https://ubcagrobot.com/>

Vancouver, BC

- Developing a real-time system for frame analysis of maize clusters with the YOLOv8 model using PyTorch.

TECHNICAL SKILLS

Languages: Java, Python, C++, C, Assembly, SQL, JavaScript, TypeScript, HTML, CSS, R

Tools/Frameworks: Git, React, Node.js, Postgres, Redis, Selenium, MongoDB, GraphQL, Express, Docker, Jenkins

Data Science: OpenCV, Vuforia, PyOCR, PyTesseract