

# 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 - 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.

### Student Cultural Ambassador

Jul – Aug 2019

*Saint Michaels University School International Program*

*Victoria, BC*

- Engaged with students from Japan to help them in their English within their classes and extracurricular activities.
- Resolved conflicts between students and teachers mediating and providing solutions to mitigate future conflicts.

## 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