

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
SAP

Jan - Sep 2024
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
ACD Systems

Jun - Aug 2021
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
Saint Michaels University School International Program

Jul - Aug 2019
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

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.

SUBC

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.

Lead Software Engineer

Nov 2018 - Mar 2022

FIRST Tech Challenge - <https://github.com/cameronl10/UltimateGoal2021>

Victoria, BC

- Achieved 2nd place in the provincial tournament against teams across British Columbia and Washington state.
- Led the team in implementing robust and efficient algorithms for autonomous navigation, object detection, and manipulation, using OpenCV, Vuforia and sensor data.

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