

ADAM MAIS

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EDUCATION

University of British Columbia, Vancouver

Sept 2021 - Dec 2025

BSc in Computer Science - Software Engineering, Object Oriented Programming, Databases, AI/ML

University of Victoria

Sept 2019 - Aug 2021

BSc in Computer Science - Algorithms and Data Structures, Calculus, Linear Algebra

EXPERIENCE

Software Engineer Co-op, Broadcom

Sept 2024 - Current

Technologies: Java, JUnit, Gradle, Jenkins, Git, Docker

Richmond, BC

- Contributed to the development of the industry-leading Layer7 API Gateway product on a 7-member Scrum team
- Developed a Java-based automation tool that converted 3,700 FitNesse pages to TestNG, eliminating manual conversion efforts and saving the organization an estimated 18,000 hours of work
- Upgraded the core gateway repository from Java 17 to 21, resolving complex transitive dependencies, compilation errors, and test failures, thereby enhancing security and performance
- Spearheaded initiative to transition all repositories from external artifact repositories to secure internal ones

Full-Stack Developer Co-op, BC Liquor Distribution Branch

Sept 2023 - Apr 2024

Technologies: Java Spring, JUnit, Maven, Tomcat, Git, Azure, Agile

Burnaby, BC

- Developed Java Spring applications, supported by JUnit tests that integrated Mockito on an Agile team
- Created sophisticated GitHub Action workflows that automated application packaging, executed unit tests, tracked code coverage, and deployed the application
- Streamlined a key project's deployment by transitioning from an EAR file on Wildfly to a single WAR file on Tomcat on Azure WebApp, boosting efficiency and reducing cost
- Implemented unit testing, code coverage analysis, and mutation testing as a proof of concept in a core project

IT Engineer Co-op, Jusaves

Sept 2022 - Dec 2022

Technologies: Python, Selenium, Pandas, React Native, Git

Remote, BC

- Web scraped data into a Pandas data frame using Python and Selenium, and cleaned the data using Excel
- Provided maintenance coding on a parking application built in React Native

PROJECTS

GymGuard | React, Node.js, Express, MongoDB

- Utilized camera facial recognition for member check-ins, making the process quick and intuitive
- Implemented multiple Express REST APIs to interact with a MongoDB database and return data to the client
- Secured API routes, ensuring access was restricted to signed-in users only

Multiplayer Dominoes Game for the Web | Node.js, Socket.IO, Phaser, HTML

[Link](#)

- Utilized web sockets to allow users to create or join a game room and propagate play to other users' browsers
- Implemented drag-and-drop functionality, automatically orienting dominoes for a seamless user experience

InsightUBC Full-Stack Web Application | TypeScript, REST, JSON, HTML

- Allowed users to gain insights on UBC courses and buildings by querying on historical data
- Implemented the query controller, which handled queries in the form of JSON strings
- Created REST endpoints to allow the front end to interact with the dataset controller and query controller

TECHNICAL SKILLS

Languages: Java, Python, MySQL, JavaScript, TypeScript, HTML, CSS

Developer Tools: Git, GitHub Actions, Jenkins, Azure, Docker, Scrum, MongoDB, Linux, IntelliJ, Gradle, Maven

Frameworks & Libraries: Spring Boot, JUnit, TestNG, Mockito, React, Redux, Express, Socket.IO, Pandas, Numpy

AWARDS AND CERTIFICATIONS

Certifications: Microsoft Azure Fundamentals (AZ-900), National Lifeguard, Small Vessel Operator Proficiency (SVOP)

Awards: UVIC Entrance Scholarship, Loblaw's Scholarship, BC School Sports Vancouver Zone Scholarship