

ADAM MAIS

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EXPERIENCE

Broadcom (Layer7 API Gateway) — Software Engineer Co-op

Sept 2024 - Apr 2025

Technologies: Java, TestNG, Gradle, Jenkins, Git, FitNesse, TestRail, Scrum

Richmond, BC

- Developed a Java-based tool to automate the migration of 3,700 legacy test cases to TestNG, eliminating manual effort and saving over 18,000 engineering hours.
- Built a Jenkins pipeline to run integration tests using TestRail Test Plans for selective execution via API, publishing detailed results for faster debugging.
- Upgraded the core gateway repository from Java 17 to 21, resolving transitive dependency conflicts, compilation errors, and test failures introduced by the migration.

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

Sept 2023 - Apr 2024

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

Burnaby, BC

- Streamlined homepage content updates for the *BC Liquor website* by building a secure GitHub-to-Azure pipeline, allowing business users to publish promotions with no developer support.
- Replaced a complex multi-module legacy setup with a single-package deployment on Tomcat, hosted on Azure WebApp - reducing operational overhead and infrastructure costs.
- Implemented a CI/CD pipeline with GitHub Actions to automate packaging, testing, and deployment, adding checkpoints and approvals to ensure safer, more controlled releases across environments.
- Improved reliability of a Java-based internal tool for tracking orders and shipments by fixing bugs and introducing JUnit testing, achieving over 80% branch coverage.

Jusaves — IT Engineer Co-op

Sept 2022 - Dec 2022

Technologies: Python, Selenium, Pandas, Git

Remote, BC

- Built Python scripts with Selenium to extract data from various websites, cleaned and structured the results using Pandas, and exported them to Excel for downstream use.

EDUCATION

University of British Columbia

Vancouver, BC

B.Sc in Computer Science (with Co-op)

Sept 2021 - Aug 2025

- Relevant courses: Algorithms & Data Structures, Software Engineering, Machine Learning, Relational Databases

PROJECTS

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.
- Automated deployment to Azure Web App via GitHub Actions, reducing manual release time.

GymGuard | *React, Node.js, Express, MongoDB*

- Developed a gym check-in app with member and admin interfaces; used facial recognition for member check-ins and provided admins with class attendance data via Express REST APIs and MongoDB.
- Secured REST APIs with JWT-based authentication, restricting access to signed-in admins only.

InsightUBC Full-Stack Web Application | *TypeScript, JSON, HTML, CSS*

- Developed a full-stack data analytics application to provide insights into UBC's historical course and building data, processing user-defined queries to reveal trends and statistics.
- Implemented a query engine to parse, validate, and execute intricate JSON queries against course data.
- Created REST endpoints to allow the front end to interact with the dataset controller and query engine.

TECHNICAL SKILLS

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

Developer Tools: Git, GitHub, Jenkins, Azure, Docker, MongoDB, Gradle, Maven, Node.js, Linux, Cursor (IDE), Scrum

Frameworks & Libraries: React, Redux, Java Spring, Express, Axios, JUnit

AWARDS AND CERTIFICATIONS

Certifications: Azure Fundamentals, Azure AI Fundamentals

Awards: UVIC Entrance Scholarship, Loblaws Scholarship, BC School Sports Vancouver Zone Scholarship