

EDUCATION

University of British Columbia

Sep 2021 – Nov 2025

Bachelor of Science – Major in Computer Science and Minor in Economics

- **Certifications:** Power BI Data Analyst (**Microsoft**), Scrum Master (Scrum.org), Python Programming (Python Institute)
- **Courses:** Data Structures, QA, Data Analysis, Data Mining, AI Fundamentals, Project Management, UX research

WORK EXPERIENCE

Frontend Developer – Karac

Switzerland | Sep 2025 – Dec 2025

- Engineered onboarding flows with **Alpine.js** and **Tailwind** CSS to reduce average user signup time from 2 minutes to 45 seconds by implementing auto-advancing OTP inputs and instant client-side validation.
- Reduced test environment setup time from 15 minutes to 30 seconds by implementing **Database** Seeders, accelerating **QA** cycles while ensuring consistent verification of session persistence and role-based access controls.
- Designed a modular authentication system using **PHP** and **Laravel** Socialite to abstract provider logic, saving 5–10 hours of monthly maintenance while supporting seamless Google and Facebook integrations.

Full-Stack Developer – UBC Faculty of Science

Canada | May 2025 – Aug 2025

- Built an Exam Analysis System using **Python**, Django, and **PostgreSQL** that processes over 100,000 student records to automate grading, reduce potential cheating, and visualize complex performance metrics for university instructors.
- Reduced load times for complex reports from 4 mins to 60 seconds via server-side pagination and **SQL** aggregations.
- Developed a statistical algorithm to calculate student performance that reduced grading time from 4 hours to 15 minutes, verified using a rigorous **CI/CD** pipeline and **GitHub Actions** that ensured a 100% pass rate.

Research Assistant – University of British Columbia

Canada | Jan 2025 – May 2025

- Engineered a data pipeline using **Python** and the GitHub API to filter 5,000+ projects for a controlled study, utilizing Mann-Whitney U tests to disprove industry assumptions regarding AI technical debt.
- Collaborated with a 5-person team to secure a nomination for the **Mining Software** Repositories Conference and winning “Best Presentation” out of 10 cohorts.

EXTRACURRICULAR / PROJECTS

Bike-Share Network Optimization Analysis

- Engineered a robust **ETL** pipeline in **R** to process millions of historical records, implementing regex-based cleaning logic to reduce dataset noise by 15%.
- Designed interactive dashboards in **Power BI** and **Excel**, translating complex metrics into actionable strategies.

Event Ticketing Platform – React, Django, Python, API Development, CI/CD, DevOps, MySQL, Docker

Co-Founder & Event Coordinator – Okanagan Tech Industry Night

Canada | Oct 2023 – Feb 2024

Vice-President Internal Audit – Latin American Student Organization

Canada | Sept 2024 – Apr 2025

SKILLS & INTERESTS

Languages: Python, JavaScript, Java, SQL, R, Matlab, PHP, Excel (VBA, PowerQuery)**Frameworks:** React.js, Next.js, Node.js, Django, Laravel, Tailwind CSS, Alpine.js, PostgreSQL, MongoDB, SharePoint**Tools:** Power BI, Tableau, Databricks, AWS, Docker, GitHub Actions (CI/CD), RESTful APIs, MCP, ERP, Jupiter, PySpark, langchain, Claude code, Testspite, fastAPI, Vercel, Google AI studio, Supabase, Cursor, Linux, ServiceNow, Figma, Affinity**Activities:** Web Content and UX Volunteer at BrainTrainr, Member at Wealthsimple Foundation, Member at Hispanotech**Interests:** Podcasts (AI Chat, *The Diary Of A CEO*), Books (Malcolm Gladwell), Football, Running, Traveling (14 countries)