



Technical Skills

Languages: C++, C, Python, Java, JavaScript, R, HTML/CSS, Racket, ARM Assembly, SQL

Tools/Environment: Excel, Unix/Linux, Git/GitHub, PowerBI, VS Code, Jenkins, IntelliJ, RStudio, Jupyter Notebook, Node.js

Frameworks/Libraries: React, JUnit5, Unittest, Valgrind, Java Swing, Matplotlib, Chart.js, Vite, Ansible, Docker

Technical Experience

Software Developer | Machine Learning, Firebase, Full-stack Development

Dec 2023- Present

LEAP AI

Vancouver, Canada

- Engineered an **AI** academic advising chatbot using the **PaLM 2** model to answer course-related queries for 5,000+ students
- Increased end-to-end functionality by implementing an admin page that allows administrators to review and validate feedback provided by the AI, using **Firebase** and **MongoDB** for user authentication and chat history storage
- Boosted AI response accuracy by **40%** through the strategic scraping of Sauder's course information using **Selenium**, transforming it into structured documents, and employing **Voyager 2** for enhanced query embedding

Data Analyst Intern | Python, Web scraping, REST API

July - Sept 2022

Coca Cola Company

Manila, Philippines

- Increased customer engagement by **55%** by scraping data from the web using Python BeautifulSoup and Google Search API to identify underrepresented audiences
- Consolidated marketing data by normalising **130,000+ data points** to reduce redundancies and minimise entry errors
- Elevated intra-organization communication by **debriefing** executives about the project via a slide-show presentation

Technical Projects and Other Experiences

Modified NLP To Assist Healthcare Professionals (NWPlus Hackathon) | BERT, Pinecone, Firebase, Flask, Git

Jan 2024

MediFetch AI

Vancouver, Canada

- Collaborated within a team to develop a healthcare solution focusing on enhancing patient care through **streamlined medical history retrieval**, allowing healthcare professionals to **query** and **retrieve** information in patients' medical history
- Employed advanced NLP technologies, including **BERT** and **Pinecone** indexing to process and organize medical documents
- Successfully managed creating a user-friendly frontend with **React** and handling database operations with **Firebase**

Ticket Scraping and Notifying App | React/Chrome Extensions, Python, Web Scraping, AWS

Nov 2023- Present

Ticket Notifynd

Vancouver, Canada

- Developed a ticket scraping app with **Playwright** and **threading** which alerts users when concert tickets match their price range
- Developed a streamlined **system architecture** utilizing a **SQL**-based watchlist to dynamically allocate scrape tasks to a scrape object, enhancing site monitoring efficiency and optimizing resource utilization
- Realized complete automation of ticket scraping, price detection and email notifications by employing **AWS EC2** and **Mailchimp**

President/Founder, AMS Volleyball Club at UBC | Vancouver, Canada

Dec 2021 - Present

- Garnered **150+ paid members** within one year of operation by utilizing promotional resources, social media and networks
- Established a **structured organization** by recruiting prospective internal members and discussing organizational logistics
- Hosted paid and unpaid events for **100+ members/non-members** by collaborating with internal and external stakeholders

Education & Achievement

University of British Columbia, Bachelors of Computer Science and Business

Sept 2021 - May 2025

Awards: International Entrance Scholarship and Outstanding International Student Award (\$100,000)

Key Courses: Data Structures and Algorithms, Software Construction, Relational Databases, Financial Modeling and Excel