

DANIAL ZORAIZ RAMZAN

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PROFILE

I am a third year student **studying Mathematics, Computer Science, and Data Science** with interests in AI/ML, prompt engineering, actuarial sciences, and quantitative finance. Skilled in coding, EDA, and data analysis, **I am actively seeking SWE, Data Science, Data Analytics opportunities for Fall 2024 to diversify my skillset with and am willing to relocate.**

EDUCATION

University of British Columbia

Anticipated Graduation: May 2026

Bachelor of Science in Mathematics, Minor in Data Science (Expected)

Vancouver, BC

Relevant Courses: Calculus I-III, Linear Algebra, Data Structures & Algorithms, Microeconomics, Data Science I

EXPERIENCE

Backend Developer

December 2023 – Present

Loki (Startup)

Toronto, ON

- Excelled as a top PERN stack developer at Loki, **implementing Auth, Bookings, Stripe Payments, JWT Tokens etc**
- **Dockerized the PostgreSQL database** greatly reducing setup & ensuring consistency across developer environments.
- Utilized pgAdmin4 for database management and Postman to create RESTful routes, **reducing testing time by 70%.**

Data Analytics, Sound Localization

October 2023 – Present

UBC Subbots Engineering Design Team

Vancouver, BC

- **Optimized localization accuracy** by implementing & testing digital filtering methods on microphone data using Python
- Employed techniques like **moving FFTs** to distinguish and visualize a 26kHz pinger signal from underwater pool noise.

Learning Services Support Student

September 2023 – Present

UBC Sauder School of Business

Vancouver, BC

- **Ensured seamless class operations** by delivering IT/AV support for faculty, editing recorded lectures using Panopto.
- Explored Workday REST API capabilities, drafting a plan to **reduce shift logging time by 50%**, pending HR approval.

AI Venture Capital Deal Sourcing Extern

April 2024 – May 2024

igniteXL Ventures

Palo Alto, CA

- Utilized platforms like Crunchbase, theOrg to perform in-depth research and Perplexity, GPT4 for **prompt engineering.**
- Produced and presented a **concise and impactful VC investment summary** incorporating research insights.

PROJECTS

FinanciallyFit: Reverse Attendance-Based Java Billing App | </>

September 2023 – December 2023

- Developed a totally **novel full-stack gym billing system**, which imposes financial penalties for missed gym sessions.
- Implemented user management, bill generation, data persistence, etc with **testing using JUnit** and an intuitive GUI.
- **Achieved 102% on my course project** by implementing user stories and **CI/CD** principles, streamlining future add-ons

Lead Data Scientist, Pulsar Classifier | </>

March 2023 – April 2023

- **Led a team of 4 people** on a data science project using R to accurately classify pulsars using the **KNN machine learning classification algorithm** on the HTRU2 dataset, focusing on 8 key variables for predictive analytics.
- Produced a pulsar classifier with a **>90% accuracy on test data while avoiding overfitting.** Achieved 95% in the project, performing EDA, model training, and outlining our process in Jupyter Notebooks for a streamlined workflow.

Breaking Bad Habits Android App @ HackCamp 2023 | </>

November 19th, 2023

- Developed Android app in team of 4 to **address substance abuse** in British Columbia using Android Studio (Java).
- **Implemented a logging system** for users to track progress, emotions, and challenges in their rehabilitation journey.
- Incentivized self-care tasks by adding an **interactive map of nearby mental health facilities** with ratings.

TECHNICAL SKILLS

Languages: PHP, Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, R, Racket

Frameworks: React, Node.js, Swing, JUnit, Express.js, TypeORM, Tailwind CSS

Developer Tools: Git, Docker, VS Code, Android Studio, IntelliJ, WebStorm, DataSpell, Jupyter Notebook, Excel

Data Science/Machine Learning: Pandas, SciPy, NumPy, matplotlib, Tidymodels, kkn, GGally, readr