

Adrian Leung

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TECHNICAL SKILLS

Languages: Java, Python, C#, C++, C, R, Racket, JavaScript, SQL, Bash

Developer Tools: Github, VS Code, IntelliJ, DrRacket, Kubernetes, n8n, Airtable

Testing: JUnit, GDB, Valgrind, Jira

Libraries, Models & Frameworks: Pandas, PyTorch, Tensorflow, CUDA, Scikit-learn, NumPy

EDUCATION

University of British Columbia

Vancouver, BC

3rd year Bachelor of Science, Major in Cognitive Systems, Computational Intelligence and Design Sept. 2023 - Present

WORK EXPERIENCE

Automation Engineer Intern

June 2025 - Present

The Growth Compass

Vancouver, BC

- Implemented an n8n workflow to automate lead generation on LinkedIn using Apollo.io B2B lead search URLs through natural conversation.
- Automated URL generation and data formatting in n8n using JavaScript to streamline lead sourcing and Airtable integration. Leveraged SQL to make queries and manipulate this data.
- Engineered a conversational AI flow that collects search parameters to improve the hit rate of individuals aligned with the coaching profile of Growth Compass by 25% compared to prior manual lead sourcing methods.

Teaching Assistant

Sept. 2022 - July 2023

Kumon Steveston

Richmond, BC

- Assisted and taught over 100 children and teenagers to develop math and literacy skills.
- Increased the ELL level of children that me and my team taught by 3-4 months compared to the median time it takes to achieve English proficiency.
- Introduced and strengthened introductory calculus concepts to older students aged 12-16, including basic university-level calculus.

TECHNICAL PROJECTS

Twitter Sentiment Analysis Bot | Python, OpenAI API, Discord API, GitHub

Apr. 2025 - Present

- Built a Discord bot using the Discord API that monitors a list of 100 political accounts and synthesizes sentiment analysis on their posts.
- Integrated OpenAI's Chat Completion API to perform this sentiment analysis.
- Optimized API usage by engineering my prompts to minimize token usage while still outputting the same level of analysis.
- Generated a 5.7% upside in a paper trading account as of 06/09/2025 by employing a trading strategy that relied on creating weekly 5% out-of-the-money SPY calls based on the analysis of the bot.

Sheet Music Writer & Functional Piano | Java, GitHub

Sept 2024 - Present

- Developed a functional piano that writes the sheet music that is played using Java for a computer science course on software construction at UBC; both the front-end and the back-end are done with Java.
- Implemented sound playing functionality using MIDISynth, which utilizes Java Sound API's MIDI Package to synthesize sound.
- Tested the functionality of the piano with JUnit for the note adding functionality and note playing functionality.

