

Aly Saleh

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Education

McGill University | GPA 3.89

Bachelor of Arts, Computer Science Major

Statistics and Supplementary Computer Science Minors

- **Relevant Courses:** Applied Regression, Data Science, Statistics, Software Design, Algorithm Design, Applied Machine Learning, Artificial Intelligence
- **Awards:** Dean's Honour List 2021

09/2020 – 12/2023

Montreal, Canada

Skills

- **Languages:**
 - Proficient: Python, Java
 - Familiar With: JavaScript, C, C++, SQL, R, HTML, CSS
- **Technologies:** Unix, AWS, Git, SOAP API, Bash
- **Python Libraries:** Pandas, NumPy, Scikit-Learn, NetworkX

Experience

LIDD Consultants

Software Development Intern

- Wrote end-to-end integration tests using Python to analyze retailers' order data at each step. Identified silent errors that were not captured by the error handling systems.
- Implemented the message formatting for a SOAP integration between a warehouse management system and an ERP system.
- Designed solutions for clients by writing custom scripts using JavaScript to add functionalities to Oracle's NetSuite System.
- Trained clients on how to use functionalities in NetSuite.

05/2022 – 08/2022

Montreal, Canada

Tova Designs

Marketing Analyst Intern

- Ran multiple online ad campaigns to identify the audience group with the highest post engagement rate, resulting in a 50% decrease in the cost per engagement for online ads.
- Used Python to analyze and visualize ads data to draw actionable business insight.

06/2021 – 08/2021

Remote

Projects

Monte Carlo AI Bot | Python

- Designed a game-playing agent that uses Pure Monte Carlo Search and Minimax to create simulations to decide the best next move against an adversarial agent.

Discussion Analysis around COVID-19 Vaccines | Python

- Utilized Twitter's API to collect tweets discussing COVID-19 to identify key reasons for vaccine hesitancy.
- Developed a framework for categorizing tweets to determine recurring topics and presented the results in a report.

Hospital Finder | Java

- Developed a mobile application in Android Studio that locates the nearest hospital with available beds using the user's location.

Inventory Manager | Bash and Python

- Developed a system for tracking the stock level of items in an inventory.

Leadership

Society of Undergraduate Mathematics Students

Minors Representative

- Led the planning of a career information event with over 40 participants.
- Surveyed students to identify their hardware and software needs.
- Convinced the IT department to install 4 high-end computers to fulfil the students' needs.

07/2021 – 07/2022