



SHAYAN HOLLET

Computer Science Student


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SUMMARY

I mainly focus on AI, programming, and web development. Known for strong leadership and rapid learning abilities, I aim to leverage my skills and drive for excellence in a leading tech company, contributing to cutting-edge projects and industry advancements.

SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript, HTML, CSS, SQL, Haskell, Lisp

Tools: Git, MongoDB Atlas and Compass, IBM Cloud, VSC, Vim, Postman, Notion, AWS

PROJECTS

Summer 2023

Sentiment Analysis

In a three-month project, I created a sentiment analysis tool for Montreal restaurant patrons, harnessing Yelp's **API** data, stored in **mySQL**. I refined the data using **NLTK** for NLP tokenization, prepared it with **NumPy**, and trained the model using **Sklearn**. This approach yielded a word cloud with **Matplotlib**, revealing key sentiment trends among satisfied and dissatisfied customers, along with seasonal satisfaction patterns.

In Progress

MiRISCula

Full Stack: Leading the development of a web application for a research project aimed at predicting microRNA binding sites. Designing reactive UI with **React (Front-end)**. Developing server logic with **Node.js (Back-end)**, including the creation and management of a **REST API**. Designing and maintaining the database with **MongoDB**.

EDUCATION

8/2022 - Now

Université de Montréal

BSc in Computer Science

University

5/2022 - Now

Udemy, Udacity, edX, Coursera

Many certifications

Online

8/2020 - 5/2022

Cégep Marie-Victorin

DEC in Pure and Applied Science

College/Cégep

EXPERIENCE

1/2024 - Now

Institute for Research in Immunology and Cancer of the Université de Montréal (IRIC) Research Assistant

- Assisting in the publication of research findings.
- Collaborating closely with research teams to design and implement bioinformatics tools and databases.
- Leveraging expertise in data analysis and software development to drive innovations in RNA research.

9/2023 - Now

School Success/Succès Scolaire

Tutor

- **Mathematics Tutoring:** Providing collegiate and university-level tutoring in linear algebra, differential calculus, integral calculus, advanced mathematics, probability, and statistics. My role involves breaking down complex mathematical concepts to enhance student understanding and academic performance.
- **Programming Tutoring:** Also tutoring in Python programming. Leveraging the online platform LessonSpace, delivering remote instruction, helping students develop their coding skills and apply programming concepts effectively in various contexts.

RELEVANT COURSES

Université de Montréal

GPA: 3.9

- Algorithmics
- Computer Architecture
- Databases
- Data Structures

- Design and Web Development
- Discrete Structures
- Human-Computer Interaction
- Linear Algebra

- Operating Systems
- Probability and Statistics
- Programming Concepts
- Software Engineering

LANGUAGES

French - native, **English** - proficient, **Persian** - limited, **Spanish** - elementary