

Hamza Hussein

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Skills Summary

- Driven undergraduate student with a passion for software development
- Proficient with Java and Python with 4 years of experience
- Experienced with Lisp, Linux/Unix, C/C++, and Data Structures with 6 months of experience
- Proficiency in using MS Office, including Excel, Outlook, PowerPoint, and Word
- Strong problem-solving and sales skills refined through customer service roles
- Effective communication skills developed through youth mentorship and customer facing roles

Education

Bachelor of Science (BSc.) – Computer Science

September 2022 - Present

Toronto Metropolitan University

- GPA: 3.35
- Co-operative Program
- Relevant Courses: Computer Science I & II, Computer Organization I & II, Introduction to UNIX, C and C++, Data Structures, Discrete Structures, Operating Systems I, Introduction to Software Engineering

Academic Projects

EPL Match Outcome Predictor

- Designed and implemented a machine learning algorithm in Jupyter Notebook, utilizing SciKit-Learn and pandas libraries, for predicting English Premier League match outcomes.
- Leveraged web scraping techniques to acquire data for training and testing, contributing to the algorithm's success with a 68% accuracy in forecasting English Premier League match results.

Decrypt

- Designed and implemented a Python program to perform encryption and decryption of files, particularly images.
- Transforms plaintext into ciphertext using a designated key, with a decryption process to restore data integrity, ensuring bidirectional data protection.

Experience

STEM Program Facilitator

May 2023 – Present

Visions of Science

- Leading youth from low-income communities through STEM-based activities and experiments.
- Mentoring youth towards Science, Technology, Engineering and Mathematics (STEM) related pathways.
- Designed and led engaging program sessions, organized and supervised outdoor excursions.
- Boosted STEM interest in youth, leading to improved academics and increased participation.

Server

June 2022 – Present

Scooped by Demetres

- Facilitated effective teamwork and collaborated seamlessly with colleagues, consistently delivering outstanding customer service.
- Maintained an in-depth understanding of the entire menu, enabling tailored recommendations and significantly enhancing the customer experience.
- Lead staff training sessions, equipping the team with the skills to uphold high service standards.

Sales Associate

July 2020 – Jan 2022

Metro

- Engaged with customers to discern their requirements and provide tailored solutions, ensuring exceptional satisfaction.
- Gained proficiency in product sales, merchandising, and delivering top-tier customer service.
- Acknowledged for unwavering commitment to work hours, frequently stepping in for colleagues unable to fulfill their shifts.

Volunteer Activities

General Ambassador

Oct 2023 – Present

TMU BBSA (*Black Business Student Association*)

- Attending a wide range of events and meetings, serving as a dedicated club representative.
- Explore and engage in various organizational functions, gaining insights into Corporate Relations, Events Management, Finance, Marketing, and Growth and Development roles.