Mohamad El-Haroufi

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EDUCATION

Honours Bachelor of Science, Computer Science Co-op　　　　　　　　Sep. 2021 – May 2026
Toronto Metropolitan University　　　　　　　　　　　　　　　　　　　　　　Toronto, ON

- **Cumulative GPA:** 3.7/4.33 (Dean's list)
- **Relevant Coursework:** Data Structures, Software Engineering, Unix & C, Operating Systems, Discrete Structures, Computer Organization

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, SQL, Bash, HTML/CSS, Lisp
Frameworks/Libraries: PySocket, Threading
Tools: Git, Github, Linux, VS Code, MS SQL Server, SSMS, Visual Studio, JetBrains

PROJECTS

LiveChat Application | *Python, PyScoket, Threading, Tkinter, Git*
- Developed a live-chat application with the use of multi-threading which allows several users to connect to a server and chat together in the same chat room.
- Implemented an Internet TCP Socket where the client is able to connect to some specific server which then allows the user to send and receive messages in real time.
- Utilized the Tkinter library to create an attractive graphical user interface for the chat room which first prompts a user for their username and then showcases the sent and received messages.

CurrencyXChange Chrome Extension | *Javascript, HTML, CSS, Git*
- Developed and published a Chrome extension on the Chrome Store which converts between 31 currencies globally.
- Executed an API call in the back-end to get real-time exchange rates and calculate currencies.
- Utilized HTML/CSS and JavaScript to design a modern user interface with features such as a dark mode option.
- Adhered to Chrome privacy and permission practices to ensure the application would be approved for publication.

Portfolio Website | *JavaScript, HTML, CSS, Git*
- Developed a modern responsive web portfolio from scratch using HTML and CSS.
- Utilized JavaScript to add more interactivity within the website such as a dark mode option.

E-Commerce System | *Java, Git*
- Utilized object-oriented programming through Java to implement class methods that made a functional and realistic E-commerce system simulator.
- Implemented functionalities such as ordering and shipping a product, and tracking customers and their orders.
- Adhered to proper object-oriented design while utilizing interfaces, inheritance, and collections to implement the algorithms of the system.

EXPERIENCE

Database Assistant (Part-Time)　　　　　　　　　　　　　　　　　　Nov. 2022 – Present
Altaif Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Toronto, ON
- Utilized a local MS-SQL Server to implement several SQL queries to get familiar with how database systems work and design relational databases.
- Connected to the company's Windows server and accessed the MS-SQL database to learn its infrastructure.
- Analyzed and extracted data to produce statistical visualizations.

Sales Associate　　　　　　　　　　　　　　　　　　　　　　　Aug. 2022 – Nov. 2022
Champs Sports　　　　　　　　　　　　　　　　　　　　　　　　　　　　Toronto, ON
- Showed initiative to assist team members in handling customers, cash operations, and store maintenance.
- Played a significant role in increasing store profits by consistently surpassing given sales targets.
- Assisted an average of 70 customers per day in a fast-paced environment while providing excellent customer service.