

Mohamad El-Haroufi

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EDUCATION

Honours Bachelor of Science, Computer Science Co-op

Toronto Metropolitan University

Sep. 2021 – May 2026

Toronto, ON

- **Cumulative GPA:** 3.7/4.33 (Dean's list)
- **Relevant Coursework:** Data Structures, Software Engineering, Unix & C, Operating Systems, Discrete Structures, Software Tools, 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, PySocket, Threading, Tkinter, Git*

- Implemented a Client-Server architecture using TCP Sockets which connects a client to a chatting server.
- Leveraged multi-threading to allow several users to connect to the server simultaneously and chat together.
- Utilized the Tkinter library to create an attractive graphical user interface for the chat room.
- Added a username entry so that sent and received messages from users have a clear recipient.

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.
- Ensured that Chrome privacy and permission laws were followed throughout development.

Portfolio Website | *JavaScript, HTML, CSS, Git*

- Developed and hosted a modern web portfolio from scratch using HTML and CSS.
- Leveraged media queries to ensure the website would be responsive and mobile-friendly.
- Utilized JavaScript to add more interactivity within the website such as a dark mode option.

E-Commerce System | *Java, Git*

- Utilized object-oriented programming to design 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.

EXPERIENCE

Database Assistant (Part-Time)

Altaif Inc.

Nov. 2022 – Present

Toronto, ON

- Utilized a local MS-SQL Server to implement SQL queries 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 and reports used in business decisions.
- Implemented database backups to ensure business continuity and data security.

Sales Associate

Champs Sports

Aug. 2022 – Nov. 2022

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.