Mohamad El-Haroufi

647-468-9364 | m.elharoufi@hotmail.com | www.melharoufi.com | github.com/moe-e | linkedin.com/in/mohamad-e

EDUCATION

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

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

TECHNICAL SKILLS

Languages: Python, JavaScript, C, Java, SQL, Bash, HTML/CSS
Tools & Frameworks: Git, GitHub, Linux, MS SQL Server, SSMS, REST API, SDLC, MVC, UML

EXPERIENCE

Database Assistant (Part-Time)   Nov. 2022 – Present
Altaif Inc.   Toronto, ON

- Executed SQL queries on MS-SQL Server to create complex views resulting in simplified data access.
- Improved data accuracy by integrating an address validation API into the company's desktop application, resulting in a significant decrease in errors arising from manual data entry.
- Analyzed and extracted data to produce statistical visualizations and reports used in business decisions.
- Implemented database backups to ensure business continuity and data security.

PROJECTS

LiveChat Application | *Python, PyScoket, 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.