Mohamad El-Haroufi

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EDUCATION

Honours Bachelor of Science, Computer Science Co-op   Expected May 2025
Toronto Metropolitan University   Toronto, ON

- **GPA:** 3.8 (Dean's list)
- **Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Unix & C, Operating Systems, Computer Security

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, C, Java, HTML/CSS, SQL, Bash

Frameworks & Technologies: .NET, Angular, REST APIs, HTTP, JSON, SDLC, MVC, UML

Software & Tools: Git, GitHub, Jira, Jenkins, Postman, Swagger, MS SQL Server

EXPERIENCE

Software Developer Intern   May 2023 – Apr. 2024
SOTI   Toronto, ON

- Full-stack developer on the MobiControl team working on new server-side features and bug fixes in C#.
- Contributed to frontend development of the client-side software by working on several improvements and bug fixes in Angular (TypeScript, HTML, CSS).
- Developed a POST API that downloads critical user data into an Excel file and emails it to a recipient.
- Developed several GET APIs for different features such as filtering user information based on the selected filters.
- Utilized encryption and decryption protocols to implement an export/import user profile configurations feature.
- Performed code reviews for other interns ensuring code quality and efficiency.
- Wrote unit tests in order to meet code coverage standards and ensure correctness.
- Employed Jenkins for continuous integration and deployment (CI/CD).
- Collaborated in sprints with other developers using Git, GitHub, and Jira as part of an agile work environment.

Database Assistant (Part-Time)   Nov. 2022 – Apr. 2023
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.

CurrencyXChange Chrome Extension | *JavaScript, HTML, CSS, Git*

- Developed and published a Chrome extension that converts global currencies using real-time exchange rates.
- Ensured that Chrome privacy and permission laws were followed throughout development.

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

- Deployed a responsive and interactive web portfolio from scratch using JavaScript, HTML and CSS.