

# Elias Fatine

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## EDUCATION

### Honours Bachelor of Science in Computer Science

Ottawa, ON, Canada

University of Ottawa

09/2022 - 04/2026

- **Awards:** Xerox Canada Inc. Scholarship, uOttawa Merit Scholarship 2020/2021, uOttawa Engineering Scholarship
- **Relevant Coursework:** Operating systems, Computer Architecture, Data Structures & Algorithms, Databases, Software Engineering, Machine Learning, Design & Analysis of Algorithms, Advanced Programming Concepts in C++
- **Extracurriculars:** Director of Development at the uOttawa Telfer Business Technology Association

## WORK EXPERIENCE

### Junior Developer

Ottawa, ON, Canada

Canada Mortgage and Housing Corporation (CMHC)

05/2024 - Present

- Developed custom Dynamics 365 plugins and middleware using C#, .Net Core, and Azure Functions, enhancing the efficiency of CMHC's CRM infrastructure
- Worked on SQL database management in Azure and Dynamics 365, optimizing database queries and ensuring seamless integration with the CRM platform
- Contributed to front-end development for CMHC's CRM platform, improving usability and addressing client requirements effectively

### Software Testing & Quality Assurance Intern

Ottawa, ON, Canada

Financial Consumer Agency of Canada | Government of Canada

01/2024 - 05/2024

- Collaborated within an Agile environment, engaging in bi-weekly sprint planning sessions and actively participating in Scrum ceremonies.
- Employed expertise in quality assurance, regression testing, and user acceptance testing to ensure the integrity and functionality of the ServiceNow product
- Participated in ServiceNow development and testing using Javascript, contributing to the client requirements gathering, optimization and enhancement of ServiceNow functionalities

## PROJECT EXPERIENCE

### Grimpeur Cycling Club, SEG 2105 (Software Engineering)

- Designed and implemented an Android application for a cycling club
- Utilized technologies such as Android Studio as well as SQLite and Java to securely store and manage user data for a community of 100+ cyclists

### Harvard University CS50 Intro to Artificial Intelligence, edX.org

- Introduced to AI concepts such neural networks, search, optimization and machine learning through rigorous coursework and hands-on assignments

### Microsoft Azure OpenAI Hackathon

- Spearheaded the development of an AI-powered chatbot using Azure OpenAI tools to streamline document retrieval and analysis across various file types resulting in a 35% reduction in search time
- Enhanced the chatbot's ability to identify and establish connections within large datasets stored on CMHC's SharePoint platform

## SKILLS & INTERESTS

**Languages:** Python, Javascript, Java, C#, SQL, HTML, CSS, Typescript, C/C++, Go, Rust

**Spoken Languages:** Fluent in both English and French

**Technologies:** Git, React, Linux, MongoDB, Spring, JUnit, Bash, SQL, IntelliJ, Visual Studio, Node.js, React, Eclipse, Next.js, Postman, Azure, Azure DevOps