

# Yassine Moumine

⊗ Light Mode

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in ymoumine

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## Summary

An ambitious adept professional with a broad range of IT expertise. Known for my quick learning ability, exceptional communication skills, and dedication to my work. I am eager to showcase my skills and delve in the world of research.

## Education

**BASc University of Ottawa**, Computer Engineering (CO-OP)

Ottawa, ON

Sept. 2019 to Dec. 2024

- GPA: C+ (Transcript [🔗](#))
- **Relevant Coursework:** Data Structures and Algorithms (**Java**), Software Design and Architecture (**Java**), Operating Systems (**Java & C**), Programming Paradigms (**Java, Go, Prolog & Scheme**), Advanced Programming Concepts With **C++**.

## Experience

**Canada Revenue Agency**, Software Engineer

Ottawa, ON

Sept. 2023 to Apr. 2024

8 months

- Selected as one of 2 international students for the 8-month DevLabs training program, aimed at learning cutting-edge technologies, such as **Machine Learning, Deep Learning, Natural Language Processing**, etc.
- Conducted **research** and development on emerging technologies, creating +7 comprehensive documentations and presenting findings to the team, through workshops.
- Maintained an InnerSource project using **Angular (TypeScript)**, **Express (JavaScript)** & **OpenShift**.

**RenterII**, Software Developer

Winnipeg, MB

May 2023 to Aug. 2023

4 months

- Developed a web admin portal for managing a mobile app, with 1000+ downloads, by streamlining data visualization utilizing **React, JavaScript** and **Firebase**.

**University of Ottawa**, Software Engineer

Ottawa, ON

Jan. 2023 to Apr. 2023

4 months

- Led the frontend development of the Coop Mobile app using **React Native**, achieving +1000 downloads, by enhancing UI/UX design to simplify the job application process.
- Spearheaded the IndEX web app's deployment, revamping 80% of the site and achieving a 50% increase in user engagement using **HTML/CSS, JavaScript, C#, .NET**, and **EF**.
- Developed a calendar for university events without any libraries/frameworks, further enhancing the application's usability.
- Directed a 3-person QA team and managed interviews for 5 prospective candidates.

**University of Ottawa**, Full Stack Web Developer

Ottawa, ON

Sept. 2021 to Dec. 2022

1 year 4 months

- Led in-depth **research** for the database server upgrade analysis, ensuring compatibility, data integrity, and backup effectiveness.
- Delivered high-quality code using **JavaScript** and Twig engine, while maintaining the **RESTful API** and **PHP MVC** Back-end.
- Enhanced web accessibility for screen readers by 20%, using accessibility extensions & referring to WCAG 2.

## Projects

**Similarity Image Search Engines** | [🌀](#) | **Java, Go, Prolog, Scheme**

Feb. 2024 to Apr. 2024

3 months

- Achieved an A+ grade by developing variants of an image search engine across multiple programming languages, demonstrating adaptability in handling computer vision tasks.

**Rental AI** | [🌀](#) | **Next.js (TypeScript), Tailwind, Flask (Python), JupyterLab (ML)**

Feb. 2024 to Mar. 2024

2 months

- Developed a rent price prediction web application, processing over 100 listings and achieving 80% accuracy, by integrating a machine learning RF model and external APIs.

**Machine Learning Experiments** | [🌀](#) | **Python (Numpy, Pandas, scikit-learn, etc.)**

Dec. 2023 to Jan. 2024

2 months

- Conducted various supervised and unsupervised learning experiments, achieving +90% accuracy, by processing data, optimizing models and using Azure's AutoML tool.

## Research Papers

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**The Cultural Evolution of a Moral Character: The Mad Scientist**, Y. Moumine

Apr. 2022

Article [↗](#)

## Additional Experience And Awards

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**uOttHack 6** | [🔗](#) | Developed an EV dashboard for map navigation using Android Studio, Jetpack Compose & Kotlin.

**SCRUM Master** | [🔗](#) | Secured PSM1 certification & led the software development for my 6-member Capstone project.

**Microsoft Azure AI-900:** Securing certification demonstrating fundamental AI concepts related to the development of software and services of Microsoft Azure to create AI solutions.

**Top 8 finalists, the 2023e of the Entrepreneurship Concepts Competition** | [🔗](#) | top 8 finalist among +100 applicants earning the opportunity to present my TA/RA matchmaking project before renowned tech industry judges.

**Deferential Scholarship recipient:** for taking french classes.

**International Student Scholarship awardee:** Admission Average of 91.75%.

**Skills: ML, NL, Java, Python, Go, JavaScript, C#, C/C++, SQL, PHP, LaTeX, etc.** —

*References available upon request.*