

## Summary

An ambitious adept professional with a broad range of IT expertise. Known for my quick learning ability, excellent communication skills, and initiative.

## 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 **Azure Cloud, Machine Learning, Deep Learning, Natural Language Processing**, etc.
- Built a **Spring** web app, automating its deployment using **Jenkins, Maven & JFrog**.
- 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.
- Maintained a job inventory **ASP.NET MVC** web app, deploying and revamping 80% of the site and achieving a 50% increase in user engagement using **HTML/CSS, JavaScript, C#**, and **Entity Framework** ORM.
- 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

- Worked closely with clients, maintaining a student services **PHP** web app with a **Restful API**, using **JavaScript** and **Twig** Engine for client-side rendering.
- Led the **MariaDB** server upgrade analysis, ensuring compatibility, data integrity, and backup effectiveness.
- Provisioned development and QA servers and gained knowledge of **Bash (shell** scripting), **Vagrant, GitLab** CI, infrastructure, and virtualization
- Enhanced web accessibility for screen readers by 20%, using accessibility extensions & referring to **WCAG 2**.

## Projects

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

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

**Novigard Service App** | [🔗](#) | **Java, Android Studio, Firebase**

- Collaborated in a team of 4 to create a mobile app that allows users to obtain a driver's license, photo ID, or health card.

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

- 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.

**YETII** |  | **TypeScript, JavaScript, Angular Material**


- Built an Angular to-do list application utilizing Express server and Sequelize ORM on a PostgreSQL database, incorporating user authentication and drag-and-drop.


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

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


## 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: JavaScript, Angular, React, Typescript, Java, C#, Kotlin, .NET, Azure Cloud**

References available upon request.