

ANNAS MAHGOUB

Canadian Citizen 117 Highbury Park Dr, Ottawa, ON K2J 5Y1 📞 (613)-263-1508

✉ annasmahgoub@outlook.com [in linkedin.com/in/annasmahgoub/](https://www.linkedin.com/in/annasmahgoub/) github.com/annasmahgoub annasmahgoub.com

Education

Carleton University

Sep. 2020 – Dec. 2025

Bachelor of Science in Computer Science

Ottawa, ON

- Sprott School of Business Scholarship
- Dean's Honours List 2020/21

Availability

Type: Full-Time / Internship

Start: Sep. 2024

Duration: 4-8 Months

Projects

AED Software Simulation

December 2023

- Designed and developed a software simulation for an AED Plus device using Qt framework incorporating signals, slots, and timers to demonstrate core AED Plus features for user interaction during cardiac emergencies.
- Integrated features for analyzing heart rhythms, providing electric shocks, and receiving guidance to help users deliver critical aid in simulated emergency situations.

Web Crawler

November 2023

- Developed a JavaScript-based web crawler proficiently designed to navigate through 1000 pages, showcasing efficiency in web traversal and data extraction.
- Applied strong data management skills by ensuring seamless storage of the crawled data in a database using MongoDB.
- Designed an intuitive browser-based client interface using HTML, CSS, and JavaScript, enabling users to perform searches, customize search options, and view detailed search results effortlessly.

Pierre's Poutine Delivery System

March 2023

- Developed a delivery system for Pierre's Poutine franchise using queue data structure written in C++ to track and assign deliveries efficiently for multiple branch locations and delivery drivers.
- Ensured proper memory allocation and de-allocation to help prevent memory leaks and errors.
- Created a UML diagram to document software classes and their interactions and provided clear documentation of the system's design and functionality.

Experience

Private Math Tutor

May 2022 – Present

High School

Ottawa, ON

- Develop customized lesson plans for high school students using interactive teaching methods to improve comprehension of advanced functions and calculus, resulting in students reporting increased confidence.
- Enhance algebraic reasoning by implementing structured problem-solving strategies and real-world examples, leading to higher grades among students.

Enterprise Car Rental

Dec. 2021 – May 2023

Customer Service Representative

Ottawa, ON

- Delivered exceptional customer service and consistently exceeded sales targets and received positive feedback from clients.
- Conducted thorough vehicle inspections, identifying and documenting any issues to help contribute to a significant decrease in repair costs and improve the fleet's overall reliability.

Technical Skills

Programming Languages: Python · Java · C · C++ · HTML · CSS · JavaScript · Haskell

Developer Tools: React · Node.js · JSON · MongoDB · Visual Studio Code · IntelliJ IDEA · MySQL · Git · GitHub

Operating Systems: Linux · Mac OS X · Windows

Languages: Fluent English · Fluent Arabic · Intermediate French