




# ANNAS MAHGOUB

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## Education

### Carleton University

Sep. 2020 – Dec. 2025

*Bachelor of Science in Computer Science*

*Ottawa, ON*

- Fourth Year Standing
- Sprott School of Business Scholarships
- Dean's Honours List 2020/21

## Avalability

**Type:** Full-Time / Internship

**Start:** May 2024

**Duration:** 4-8 Months

## Projects

### AED Software Simulation | C++

December 2023

- Design and development a software simulation for the AED Plus device utilizing Qt framework, incorporating signals, slots, and timers for effective communication and functionality to demonstrate core AED Plus features for user interaction during cardiac emergencies.
- Integrated features allowing users to analyze heart rhythms, provide electric shocks, and receive guidance to enable users to perform critical actions in simulated emergency situations, enhancing the educational and training aspects of the software.
- Selected and implemented the Qt framework for its robust capabilities in C++ application development.

### Web Crawler | HTML · CSS · JavaScript

November 2023

- Developed a JavaScript-based web crawler proficiently designed to navigate through 1000 pages, showcasing efficiency in web traversal and data extraction.
- Ensured seamless storage of the crawled data in a database, highlighting strong skills in data management and retrieval, essential for maintaining persistence in the system.
- 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 | C++

March 2023

- Developed a delivery system for Pierre's Poutine franchise using C++ by utilized a Queue data structure for order management to track and assign deliveries efficiently for multiple franchise locations and delivery drivers
- Managed memory to ensure proper memory allocation and deallocation to help prevent memory leaks and errors
- Created a UML diagram to document the classes and their interactions and provided clear documentation of the system's design and functionality

## Experience

### Enterprise Car Rental

Dec. 2021 – May 2023

*Customer Service Representative*

*Ottawa, ON*

- Dedicated to delivering exceptional customer service and consistently exceeded sales targets and received positive feedback from clients
- Actively listened to customer issues, provided quick resolutions, and implemented preventive measures to minimize similar problems in the future for improving online ratings and to achieve a higher level of customer satisfaction
- 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

### Shawarma Prince Restaurant

May 2020 – Dec. 2021

*Food Service Associate*

*Ottawa, ON*

- Provided guidance, support, and supervision to part-time employees, fostering a productive and compliant work environment in the kitchen
- Worked collaboratively with the kitchen team to prepare and deliver high-quality, freshly prepared meals and drinks while adhering to safety and sanitation guidelines, enhancing the overall dining experience
- Actively monitored feedback channels and corresponded with customers to address their comments, concerns, and suggestions such as food quality to demonstrated a commitment to customer satisfaction

## Technical Skills

**Languages:** Python · Java · C/C++ · HTML · CSS · JavaScript · Haskell

**Developer Tools:** React · Node.js · MongoDB · VS Code · MySQL · Git · GitHub

**Operating Systems:** Linux · Mac OS X · Windows