

Mohamed Mahmoud

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 365 • Linux • Unix

Applications | Word • Excel • PowerPoint • Eclipse

Programming | Java • JavaScript • Python • C • C++ • HTML • CSS • Nodejs • Clojure

Other | • Visual Studio • GitHub

Languages | French & English | Spoken & Written - Fluent • Arabic | Spoken – intermediate.

EDUCATION

Bachelor of Engineering – Software Engineering Co-op

2023 - 2027 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Object-Oriented Programming, System Hardware, Web programming, Principles of Programming Languages (C, Python, Clojure)
- ATHackCTF Hackathon: engaged in CTF challenges which offered immersive hands-on experience, learned how to identify vulnerabilities and reverse engineer various encryption methods.

DEC in Pure and Applied Sciences

2023

Dawson College, Westmount, QC

- Dean's Honour List

PROJECTS

SIR model that predicts COVID-19 cases in Laval

2023

- Developed a Python program that efficiently predicted the numbers of COVID-19 cases that were not declared during the pandemic of 2019.
- Simulated the program using the SIR Model for Spread of Disease and Euler's method.

Core Competencies: Data Analysis and Interpretation, Mathematical Modeling, Algorithm Development

AI-Powered PDF Interaction Application

2024

- Developed a web application allowing users to upload PDF documents and interact with an AI using the OpenAI API.
- Implemented the backend using Flask to handle file uploads and MongoDB to store the data.
- Ensured data security and efficient processing through robust error handling and optimization techniques.

Core Competencies: Data Parsing, API integration, Backend Development, Natural Language Processing

WORK EXPERIENCE

Busboy

June 2022 - present

Maggie Oakes

- Clearing, resetting tables and ensuring a clean and welcoming environment for guests.
- Provided attentive and courteous customer service, promptly addressing guest requests and ensuring a positive dining experience.

Core Competencies: Attention to Detail, Teamwork and Collaboration, Adaptability

AWARDS & DISTINCTIONS

Dean's Honour List,

Winter, Fall 2022

Included on the Dean's Honour List at Dawson College for maintaining a high average of at least 85% with no failures during the semester.

INTERESTS

Rock Climbing

Thrive on the challenges and rewards of rock climbing, embodying a passion for exploration and physical achievement.

Hypertrophy training

Training actively 4 to 5 times a week to stay physically in shape and to increase strength for the past 2 years.

Reading

Enjoy fiction as a means of learning and personal growth, consistently engaging in finishing novels and extracting valuable insights from them.