

Majed Mouawad

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EDUCATION

University of Ottawa

Ottawa, ON

Bachelor of Applied Science in Computer Engineering (COOP)

Sep. 2020 - Present

- Cumulative GPA: 3.83/4 | Dean's Honour List | Merit Scholarship | Differential Scholarship | Rocketry Club
- Relevant Coursework: Data Structures and Algorithms, Software Design, Operating Systems, Networking

PROFESSIONAL EXPERIENCE

University of Ottawa | IT Department

Ottawa, ON

Junior Web Developer - Intern

May 2022 - Apr. 2023

- Worked on the modernization and security improvement efforts for 15 ASP.NET web applications
- Led the full-stack ASP.NET Core re-write of an application that allows medical residents to submit stipend claims
- Developed and executed a comprehensive database migration plan that involved writing complex SQL scripts, ensuring that more than 400,000 rows of data were accurately migrated from MySQL to Microsoft SQL
- Analyzed over 15 Qualys security reports and resolved all cyber security threats that were found
- Debugged and resolved over 200 operation tickets involving back-end, front-end, database and security issues
- Created and maintained Business Architecture Documents for 15 web applications

LEADERSHIP EXPERIENCE

University of Ottawa | Business Technology Association

Ottawa, ON

Vice President of External Affairs and Bilingualism

Jan. 2023 - Present

- Provided workshops and networking opportunities to over 350 members interested in careers such as project management, data analytics, consultancy, etc...
- Led the sponsorship acquisition and professional recruitment operations
- Negotiated and secured sponsorship packages with 5 big-ticket tech companies in the first 3 months
- Collaborated and forged strategic relationships with several student associations

PROGRAMMING PROJECTS

OHM AI | Founder & Developer | Python, Flask, React.js

- Developed and launched a non-profit artificial intelligence backed web application to improve video/audio accessibility to deaf and hard of hearing people by transcribing, translating, and summarizing digital content
- Built a full-stack web application leveraging React.js, Python/Flask, deep learning libraries and NLP APIs to download, transcribe and summarize youtube videos
- Introduced a translation mechanism by utilizing deep-translate to allow for real-time translations of the video's transcript

Finger Counter & Hand Categorization | Python, OpenCV, Mediapipe

- Designed a program that counts the number of fingers lifted by the user in front of the live-feed camera
- Leveraged computer vision to actively categorize any hand being displayed on screen as left hand or right hand.

A-star Pathfinding Algorithm Visualizer | Python, Mediapipe

- Developed a program that visualizes the A* Algorithm which finds the shortest route between a start node and an end node without going through existing barriers
- Designed a Pygame GUI that allow users to select the start and end node, and set barriers in between these nodes

TECHNICAL SKILLS & LANGUAGES

Programming Languages: Java, Python, C#, HTML, CSS, PHP, SQL

Frameworks: ASP.NET Core, ASP.NET, Blazor, MVC, JUnit, Entity Framework Core, Bootstrap, Pygame, Flask, Laravel, React.Js, OpenCV, Mediapipe

Developer Tools: Git, Bash, Jira, SQL Server Management Studio, Visual Studio, Android Studio, Firebase

Languages: Native Fluency in English, French and Arabic