

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

EXPERIENCE

University of Ottawa | IT Department

Ottawa, ON

Software Development Intern

May 2022 - Aug. 2022

- Worked on the modernization and improvement of multiple web-applications by utilizing .NET Core
- Completely re-wrote .NET uOttawa Faculty of Medicine web-applications in .NET Core, Blazor, and MVC
- Debugged and fixed over 50 high-priority tickets including back-end, front-end, and database issues
- Utilized EFCore to query data, run stored procedures and populate over 20 web-pages and forms
- Completed two agile sprints a month with a 100% task completion rate

PROGRAMMING PROJECTS

Transcribe, Translate, Summarize | Python, NLTK, IBM Watson

- Utilized IBM Watson Speech to Text alongside YTApi to transcribe and filter YouTube videos
- Implemented and optimized a SMMRYApi algorithm to summarize transcribed texts by 80%
- Introduced a translation mechanism by utilizing deep-translate to allow for real-time translations

Service Novigrad | Java, Android Studio, Git, Firebase, CircleCi

- Deployed an android application that provides citizens of a province access to services and to book appointments
- Assigned employees to different branch locations, allowing each one of them to approve, reject or differ applications
- Created different user types (Administrator, Employee, Client), each having different privileges and access type
- Implemented secure authentication using Firebase and automated testing using CircleCi

A* Pathfinder Visualizer | Python, Pygame

- 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

Sudoku Game and Solver | Python, Pygame

- Developed a GUI that allows the user to play the game of Sudoku at 3 different difficulties
- Implemented a solver that solves any Sudoku Puzzle using the backtracking algorithm

Sorting Visualizer | Python, Pygame

- Developed a program that allows the user to visualize an array of integer being sorted
- Implemented Merge Sort, Selection Sort and Insertion Sort as the sorting algorithms that the user can choose from

VOLUNTEERING EXPERIENCE

College de la Sainte Famille Fanar | Social Work Volunteer

Sep. 2014 – Jun. 2020

- Fund-raised and donated over \$5,000 USD to underprivileged children, orphans, & people with special needs
- Launched a Christmas gift initiative that targeted elderly people spending Christmas by themselves
- Coordinated the funding, sourcing, and distribution of food to refugees in 3 camps

TECHNICAL SKILLS & LANGUAGES

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

Frameworks: .NET Core, ASP.NET, ASP.NET Core, Blazor, MVC, JUnit, Entity Framework Core, Bootstrap

Developer Tools: Git, Bash, Jira, Circle CI, Visual Studio, Android Studio

Languages: Native Fluency in English, French and Arabic