Majed Mouawad

COMPUTER ENGINEERING STUDENT

111 Cooper St, Ottawa, ON K2P 2E3, Canada

(613)880-9968 | m.mmajed@hotmail.com | https://majed-mouawad.github.io/ePortfolio/ | Majed-Mouawad | majedmouawad

Skills

Programming	OOP · Data Structures · Algorithms · Unit Testing · Database Administration · Android Development
Languages	Java · Python · HTML · CSS · SQLite · NoSQL (Firebase)
Tooling	Android Studio · Git/Github · CircleCI · Microsoft Office
Soft Skills	Written & Oral Communication · Leadership · Adaptation · Commitment to life-long learning · Emotional Intelligence · Native/Bilingual Proficiency in English, French and Arabic (Written and Spoken)

Projects

ePortfolio

HTML · CSS · Github Pages

- Built a website showcasing my programming projects using HTML and CSS.
- Deployed the website using Github pages.
- Link: https://majed-mouawad.github.io/ePortfolio/

A-star Pathfinding Visualizer

Python · Pygame

- Developed a program that visualizes the A-star Algorithm while it's finding the shortest route between a start node and an end node through barriers.
- Allowed users to select the start node, the end node and set the barriers every time they run the program.
- Link: https://github.com/Majed-Mouawad/A-star-Pathfinding-Visualizer

Sorting Visualizer

Python · Pygame

- Developed a program that visualizes an array of integer being sorted.
- Implemented Merge Sort, Selection Sort and Insertion Sort as algorithms that the user can choose from.
- Link: https://github.com/Majed-Mouawad/Sorting-Visualizer

Sudoku Game & Solver

Python · Pygame

- Developed a GUI that allows the user to play the game of Sudoku on three different difficulties.
- Implemented a solver that solves any Sudoku Puzzle using the backtracking algorithm.
- Link: https://github.com/Majed-Mouawad/Sudoku-Game

Service Novigrad

Java · Android Studio · Git · Firebase · CircleCi

- Deployed an android application that provides citizens of a fictional province (Novigrad) access to all the province's services and book appointments.
- Created different user types (Adminstrator, Employee, Client), each having different menus and access type.
- Implemented secure authentification using Firebase and automated testing using CircleCi.

Education

University of Ottawa
Ottawa, ON

BASc in Computer Engineering (COOP)
Sept 2020 - Present

- Major Coursework: Computer Architecture, OOP, Data Structures and Algorithms, Software Engineering, Electrical Engineering
- Activities: Rocketry Club
- Acknowledgments: Placed on the Dean's Honours List, Received the Merit Scholarship
- GPA: 8.76 / 10

Volunteering Experience

Social Work Volunteer
Beirut, Lebanon

Social Work Team in Highschool
Sept 2014- Jun 2020

- Helped kids in need, elders, and people with disabilities
- Developed emotional intelligence and communication skills within a group.
- Developed leadership whilst organizing and running team meetings to plan activities for the people we were helping.