Mazen Youssef

Software Engineer

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EDUCATION

Bachelor of Engineering   Aug. 2021 – May 2025

McMaster University - *Software Engineering; GPA 3.70*   *Hamilton, ON*

- Dean's Honours' List
- McMaster University Award of Excellence Holder
- 1st Place McMaster Energy Challenge 2022

PROJECTS AND EXPERIENCE

Fotomatic Photography Website   Jul 2022 – Aug 2022

Codecademy

- Tasked with designing a photography website to showcase different products and filters
- Used HTML and CSS to design the website while implementing features such as the Box Model and responsive design
- Created a website that can be accessed from a variety of devices effectively showcasing the required products and filters of the business

McMaster Annual Nexus Energy Challenge   Feb 2022 – Mar 2022

McMaster University

- Assigned with researching and analyzing the environmental impacts of crypto-currencies and the various benefits the technology offers
- Collaborated with engineers from different disciplines to research and document findings in a detailed report.
- Achieved **1st Place** in the competition by presenting our group results to industry leaders in the Greater Toronto Area

Automatic Recycling System - Project 3: Integrated Design Projects   Oct 2021 – Dec 2021

McMaster University

- Tasked with designing a system for recycling containers of plastics, metal and paper.
- Worked with five upcoming engineers to design a mechanical hopper and used Raspberry Pi to create a python sorting algorithm for a smart recycling system.
- Achieved a solution that was successfully and efficiently able to hold, sort and transfer recyclable containers.

CERTIFICATIONS

Microsoft Introduction to Computer Science Certificate | *EDx*   May 2019 – Jul 2020

- Effectively learned new skills such as file handling and sequencing while applying them to specific projects, improving efficiency and run-time.
- Learned fundamentals of Python Programming language (functions, loops, lists).

Model United Nations Delegate | *Saudi Arabia Model United Nations*   Dec 2018 – Jun 2019

- Co-Founded Model United Nations Student Club.
- Encouraged and prepared 20 Members to join the Initiative.
- Prioritized tasks to complete on time or ahead of schedule by successfully drafting reports, letters and technical documents on public affairs and presenting possible solutions.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML/CSS, Bash
Developer Tools: Git, Github, VS Code, Jupyter Notebook, IntelliJ, Linux
Hardware: Raspberry Pi, Arduino, 3D Printing
Spoken Languages: English, Arabic