Abdallah Taha

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Education

Bachelor of Engineering | 2018-Present | McMaster University

- Major: 3rd Year Software Engineering & Management COOP
- GPA: 3.8, Expected Graduation 2022

Skills & Abilities

Languages

- React, Node, JavaScript, Python, C, Golang, Matlab, Git, Terminal, SQL, DOxygen and Java.

Personal

- Problem-Solver, Organized, Team player, Microsoft: Excel, Word, PowerPoint.

Experience

Software Developer Internship | Pei Bag CO | 2020 Summer

- Maintained and updated company website by revising the backend database so that it corresponds with the frontend of the website.
- Gained experience working with WordPress.
- Developed a marketing strategy, digital signage, and social media presence.
- Used Syspro to make price adjustments and data entry and to modernize inventory system.
- Updated and revised the company health and safety manual.

Software Projects

LOCKITDOWN

- Day planning app that outputs the most efficient order to complete daily tasks and automatically incorporates them into your google calendar
- GUI built using Python's tkninter, backend was done using a priority queue with priority being based on category and urgency of given task.

New York Crime Tracker

- In a group of five, we used a NYPD dataset to develop a program that would allow tourists to avoid crime hotspots when traveling through New York.
- Used Dijkstra's Algorithm and Breadth-first Search

Artificial 3D Hand

- Using AutoCad Inventor I designed a gear train mechanism to act as a hand prosthetic where the forefinger and thumb contacted in a pinching motion.
- The fingers were rotated at a specific ratio of the input speed.
- Design was 3D printed using Prusa software and assembled to create a prototype.

Awards

President Awards Scholarship | 2018

- Admission scholarship awarded to students who achieve an average of 95% or higher.

McMaster Deans List | 2018 - Present

- Given to students who are deemed in good academic standing.