

# Abdallah A. Taha

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## SKILLS AND STRENGTHS

- **Programming Languages** - React, Node, JavaScript, Python, C, Golang, Matlab, Git, Bash, SQL, DOxygen, CSS, Latex, Ubuntu, and Java.
  - **Personal Skills** - Problem-Solver, Organized, Team player, Microsoft: Excel, Word, PowerPoint.
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## PROFESSIONAL ACCOMPLISHMENTS

- 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.
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## EXPERIENCE

### PEI Bag Company, PEI, Software Developer Intern, 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.

### LOCKITDOWN

- Day planning app that outputs the most efficient order to complete daily tasks and automatically incorporates them into your google calendar using google API.
- GUI built using Python's tkinter, 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.

### Tetris Game

- Used JavaScript to recreate the classic game Tetris.
- Developed the software to recognize a game grid with predetermined shapes flowing down.
- Implemented a UI and different game modes as well as a scoring system.

### McMaster Student Hub

- In a team of four we created a McMaster student website using React.
  - Website provided a GPA Calculator, Prerequisite Checker, Financial Calculator, and Property Reviews
  - I was in charge of developing the Prerequisite checker which would gather all of a students' completed courses through a transcript parser then cross-reference them with the required courses for certain masters program
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## EDUCATION

- Bachelor of Software Engineering & Management, Expected Graduation 2023, McMaster University, Hamilton Ontario