**Mahad Ahmed**

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**SKILLS**

**Programming:** ReactJS, HTML, CSS, JavaScript, Python, Java, C **Tools:** Visual Studio, Jupyter Notebook, PyCharm, Git, JSON, Quanser, IntelliJ, Microsoft Office, Intel Quartus, Unix, Moore

**EDUCATION**

**McMaster University** | Bachelor of Engineering – Software Engineering (Co-op) Expected Apr. 2026

* Achieved a cumulative grade point average of 4.0 on a 4.0 scale
* Achieved the Engineering Award of Excellence Scholarship: $3000

**PROJECTS**

**Power in Community**

* Worked with a client from the Hamilton community that was diagnosed with Ehlers-Danlos Syndrome
* Our client desired to regain the ability of playing board games with his son, without the need of assistance
* Proposed a design solution, named Game Hub, which provided our client with an affordable and convenient way to enjoy board games with **90% increased** independence

**Quanser Robot Recycling Sorter**

* Developed a software using **Python** that controlled a Qbot and Qarm around a track to transport containers in a designated bin
* Used a **raspberry pi** to send instructions to the Qbot and Qarm

**World Weather Web**

* Developed a real time weather information application that displays a users current or custom location in an easy-to-read environment
* Utilizes the **JSON API** responses from OpenWeatherMap API to access real time weather forecast information

**EXPERIENCE**

**Mentorship Program**  Oct. 2019 – Jan. 2020

CMiC | Toronto ON, CA

* Participated in a co-op mentorship hosted by CMiC.
  + Updated and refined outdated coding scripts that didn’t meet company standards
  + Responsible for going through **800+** scripts to ensure they all followed a given set of guidelines

**Teaching Assistant** September 2017 - June 2018

MCNA | Mississauga ON, CA

* Enhanced student learning by offering aid when needed, with a wide variety of different instructional approaches
* Assisted with behaviour management of students
* Main responsibility included the supervision of a student diagnosed with ADHD, finding creative and different approaches to keep them focused, to better enhance their learning experience
* Supported numerous classroom teachers with a variety of groups of 20 students

**EXTRA-CURRICULARS**

**Hackathon Member**  Jan 2022

DeltaHacks 8 | Hamilton ON, CA

Worked with a group of like-minded individuals to develop an inventory management software that saves data into a text file. The software was responsible for storing information of products including a unique item code, name of the item, current stock available, and total sales.