

Sohel Saini

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EDUCATION

McMaster University (B.Eng.Mgt)

Hamilton, ON

Bachelor of Computer Engineering and Management

Sept. 2020 – Apr. 2025 (Expected)

- McMaster Honor Award (\$1000)
- Dean's Honor List Recipient (Fall 2020 - Winter 2022)

TECHNICAL SKILLS

Languages: Python • C/C++ • Visual Basics • HTML/CSS • R • Matlab • LaTeX • C#

Developer Tools: Git/Github/Gitlab • MS Office, Eclipse • R studio • Visual Studio • PyCharm • VS Code • Unity

Libraries: NumPy • Matplotlib

Hardware: Breadboards • Soldering • LAN Networking • Servers • Raspberry Pi • Analog Discovery 2

PROJECTS

2D Game | C#, Unity

July 2022 – Present

- Created a movement behaviour that displays idle, and running animation for multiple sprites
- Developed an aiming system controlled by mouse, which makes character look at mouse position
- Enemy AI acts in its own way to try to eliminate the player

Website Portfolio | HTML, CSS, JavaScript

June 2022 – Present

- Created a fully responsive personal portfolio to display personal projects, skills, and additional information
- Utilized JavaScript to store user theme setting
- Website can change between a variety of themes based on user preference

Sorting Containers using EMG Sensors | Python, Raspberry Pi

Oct. 2020 – Dec. 2020

- Developed a python algorithm using two muscle sensor emulators
- Engineered a system which was able to identify and transfer three different surgical equipment to an autoclave for sterilization
- Was in a team of three as administrator, created final gantt chart and organized meetings

EXTRACURRICULAR

General Member

Oct. 2021 – Present

Artificial Intelligence Society | McMaster University

Hamilton, ON

- Participated in discussions about the future of Artificial Intelligence
- In process of joining a team to work on project involving Artificial Intelligence

Level Representative

Oct. 2021 – Apr. 2022

Engineering & Management Society Club | McMaster University

Hamilton, ON

- Responsible for planning and organising events for student benefit
- Developing interpersonal as well as management skills
- Building valuable connections and bringing others together

Tutor

Sept. 2019 – Mar. 2019

General Highschool Tutor | Saint Michael Catholic Highschool

Niagara Falls, ON

- Tutored multiple students per term
- Students were able to pass their classes with marks above their class average
- Subjects include: Chemistry, Physics, Advance Functions, Biology, and Computer Science

INTERESTS

Looking to Learn: Ruby • AWS • Azure • Flask/Django • Kubernetes • Docker • CI/CD Pipelines • GCP • MySQL

Interests: Game Development • Web Development • Data Science • Machine Learning • AI