

HAMAYOON ASHRAF

MECHANICAL ENGINEERING STUDENT

P: (437) 239-6910 | E: hamayoonashraf99@gmail.com | In: /hamayoon-ashraf | A: Brampton, ON | Web: hamayoonashraf.com

SKILLS

SolidWorks
Python
Java
VHDL
JavaScript
HTML/CSS
Microsoft Word
Microsoft Excel
Microsoft PowerPoint
Adobe Photoshop
Arduino/Raspberry Pi
3D Printing
Prototyping

PROFILE SUMMARY

Highly motivated Mechanical Engineering student with experience in SolidWorks, Python, Java, JavaScript, HTML/CSS, Microsoft Office Suite, Adobe Photoshop, Arduino/Raspberry Pi and 3D Printing. Strong skills in prototyping, problem solving, 3D printing and design. Seeking a co-op opportunity to apply my knowledge and skills in a real-world setting and gain valuable industry experience.

EDUCATION

Bachelor of Engineering, Mechanical Engineering

Toronto Metropolitan University || 2019 - Present

- *Courses:* Thermodynamics, Digital Systems, Electric Machines and Actuators, Machine Design, Heat Transfer, Microprocessor Systems, Fluid Mechanics

EXPERIENCE

Manager (Part-Time)

Shawarma Royale || Scarborough || Feb. 2022 – Present

- Managing inventory to ensure optimal stock levels and availability
- Scheduling and handling sales to drive revenue
- Resolving customer complaints and issues to improve satisfaction
- Managing financial records and reports to support decision making

Supervisor

Simply BBQ || Mississauga || Jan. 2020 - Sep. 2021

- Assisted with catering and inventory management
- Exhibited strong communication abilities when communicating with customer
- Handled large-scale orders, such as weddings

PROJECTS

VisionX

DeltaHacks 6 || McMaster University || 2020

- Led a group of 4 to create a device that assists individuals with visual impairments
- Integrated Tensorflow framework to perform object recognition
- 3D designed and managed all of the wired components
- Wrote Python scripts for Raspberry Pi to control the ultrasonic sensors

HAMAYOON ASHRAF

MECHANICAL ENGINEERING STUDENT

P: (437) 239-6910 | E: hamayoonashraf99@gmail.com | In: /hamayoon-ashraf | A: Brampton, ON | Web: hamayoonashraf.com

Implementation of Simple Processor

University Project || TMU University || 2022

- Designed and implementation of simple 8-bit microprocessor
- The processor consisted of ALU, Registers to store data, and control unit
- Performed simple mathematical operations using altera boards

Automated Door Unlocking System

Personal Project || 2018

- Created a door access solution for individuals with disabilities by designing a system that utilizes a fingerprint sensor and rack gear mechanism
- Used Arduino, servo motors, and fingerprint sensors to ensure secure and efficient operation

Blind Spot Car Detector

Personal Project || 2017

- Blind spot car detection device to assist driving in old vehicles
- Allows users to get an alert while changing lanes if a car is in the blind spot