

Shaiyaan Ishtiaq

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EDUCATION

McMaster University

B.ENG IN COMPUTER ENGINEERING (CO-OP)

Hamilton ON

Sep 2021 – April 2025

SKILLS

Programming: C/C++, MATLAB, Python, Verilog, System Verilog, VHDL, React, AWS & xAzure

Graphic Design: Photoshop, After Effects, Premier Pro

Softwares: Blender, OrCad Pspice, Game Maker Studio, Unity, AutoCAD Inventor

EXPERIENCE

Mississauga Career College

May 2023 – Present

IT INTERN

Mississauga, ON

- Redesigned the official company website using Wordpress and additional CSS
- Collaborated with senior IT dignitaries to execute a variety of security protocols and robust policies, elevating the institution's cyber security.
- Proficiently conducted orientation sessions, guiding over 100 students to seamlessly join online classes and utilize digital services. Expertise in virtual classroom access and troubleshooting technical issues, ensuring smooth integration of online resources for enhanced educational experiences.

UserTesting

June 2020 – Present

APPLICATION TESTER

Remote

- Remote position testing websites and applications from companies such as Microsoft, Google and more
- Underwent over 200 thorough evaluations, communicating with the companies in ways they can approve their application
- Effectively ran a series small tests at multiple points when dealing with the application

Calle Mediterranean Fusion

Apr 2022 – May 2023

SHIFT SUPERVISOR

Mississauga, ON

- Handled customer needs and desires to ensure customer satisfaction
- Delegated tasks and monitored 10 employee performances
- Provided guidance and feedback to employees when in need
- Handled technological responsibilities; POS system, Payment system, Designed and set up menu display

Plasp

Sept 2020 – June 2020

VOLUNTEER

Mississauga, ON

- Worked alongside staff to plan and develop a program of stimulating activities for over 50 children
- Assisted and tutored students with homework assignments increasing average grade by 10%
- Worked with a team to establish a safe and inclusive environment

PROJECTS

Test Legend

GML, Photoshop, Adobe After Effects

VIDEO GAME

- Developed a retro style top down video game with the use of Game Maker Studio (C/C++), incorporating advanced object-oriented principles and design patterns such as abstract factory to allow clean and manageable code
- Designed the visually appealing sprites and animations of the game in Adobe Photoshop and After Effects to ensure a smooth and friendly UI and UX
- Established a well designed layout to create an immersive environment

Vending Machine

Arduino

PHYSICAL PROJECT

- Coded a fully functional vending machine using Arduino and C.
- Designed and modeled 3D printed components using autoCAD Inventor

ChatGPT Article Summarizer

ChatGPT, ReactJS, Tailwind CSS

WEBSITE

- Integrated an API to summarize lengthy articles, improving content accessibility.
- Showcased proficiency in web development and AI integration, creating a tool that streamlines information access and enhances knowledge accessibility

Titan Quest

ChatGPT, ReactJS, Tailwind CSS

HACKATHON

- Submission for the NASA Space-Apps 2023 hackathon.
- Led a cross-functional team of developers and designers to create and deliver project within a 48 hour deadline
- Demonstrated strong leadership by managing project scope and resources, effectively meeting all requirements and constraints.