

SHUBH SEHGAL

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HIGHLIGHTS OF QUALIFICATIONS

- Second year Electrical Engineering (CO-OP) student at McMaster University with roughly 5 years of programming experience through personal projects, school courses, and hackathons
- Strong understanding of the Software Development Life Cycle using Waterfall/Agile methodologies
- Proficient with object-oriented programming principles and writing modular code
- Excellent written and verbal communication skills with the ability to work in a team
- Exceptional problem solving and organizational skills with a keen sense of time management
- Highly motivated and constantly seeking opportunities to learn and expand skillset

EDUCATION

B.Eng. Electrical Engineering – McMaster University

September 2018 – April 2022 (Expected)

- Pursuing minor in computer science
- Awarded the **McMaster Entrance Scholarship** for achieving an admission average over 90%

WORK EXPERIENCE

Customer Sales Associate – Tommy Hilfiger

July 2019 – August 2019

- Interacted and engaged with customers to provide a friendly and hassle-free shopping environment
- Assisted in finding apparel, getting sizes, opening fitting rooms and organizing the storage area

PROJECTS

Gratitude – Volunteering Web Application (Academic)

- Designed and programmed a website to help connect high school students to volunteer opportunities
- Allowed students to browse and apply for positions posted by organizations while keeping a record of the total hours they volunteered
- Constructed an elegant and intuitive user interface using **HTML** and **CSS**
- Utilized **JavaScript** to store and retrieve information from **Firebase's real time database**

Text Based Pokémon Game (Personal)

- Created a text-based game to simulate a Pokémon battle written in **Python**
- Applied object-oriented programming principles to create various Pokémon and the moves available to them

TECHNICAL SKILLS

Programming

Python, Java, C, JavaScript, HTML, CSS, MATLAB

Tools

Firebase, Autodesk Inventor (CAD), Arduino, Microsoft Office Suite

EXTRA-CURRICULAR ACTIVITIES

Member – McMaster SumoBot Club

January 2019 – April 2019

- Built and programmed an autonomous robot designed to push other robots out of an arena
- Utilized an **Arduino** to program the robot and communicate with the hardware components (i.e. ultrasonic sensors, line sensors, motors)

Hackathons

- **Hack the North – University of Waterloo**
September 2019
Competed alongside 1000+ hackers to develop a program or application within 36 hours for Canada's biggest hackathon
- **DeltaHacks – McMaster University**
January 2019
Spent 24 hours in a group of four creating a **Python** program to detect whether a driver is too sleepy to drive safely or not
- **StarterHacks – University of Waterloo**
January 2019
Worked in a team of five to develop a website using **HTML**, **CSS** and **JavaScript** to aid university students with financial management