

Yash Matharu

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EDUCATION

McMaster University

Hamilton, ON

B.ENG SOFTWARE AND BIOMEDICAL ENGINEERING | CLASS OF 2025

Sept. 2020 - PRESENT

Awards Dean's Excellence Scholarship (\$7,500), TC Energy Community Leaders Scholarship (\$2,500)

Relevant Courses Health Solutions Design Projects, Engineering Math, Introductory Mechanics

SKILLS

Languages Python, Javascript, HTML/CSS

Tools and Frameworks Node.js, Express.js, MongoDB, Bootstrap, Sketch, Figma, MS Office, Git, AutoCAD, LaTeX

EXPERIENCE

The Knowledge Society (TKS)

Toronto, ON

INNOVATOR

Aug. 2020 - PRESENT

- Participates in Canada's leading incubator program which is focused on the world of entrepreneurship and innovation
- Researches and learns about next-gen topics such as, Artificial Intelligence, Internet of Things, and Blockchain
- Consulted and developed potential solutions for a challenge faced by MIT-backed non-profit company, PathCheck

Freelance Web Developer

Hamilton, ON

SELF-EMPLOYED

Dec. 2020 - PRESENT

- Converts design mockups in Sketch and Figma into code to create website
- Designs, develops and maintains websites for clients
- Identifies problems and bugs in the code and quickly resolves the problem

Pistol Pete's Smokehouse

Hamilton, ON

ROAD TOUR CREW MEMBER

Jun. 2019 - Sept. 2020

- Maintained high standards of customer service consistently during busier times of operation
- Communicated effectively with customers regarding orders, comments and any complaints

PROJECTS

YelpCamp | 📍🔗

Jul. 2020

- Developed a website which displays campgrounds in the area and their information such as, prices, location, reviews and description
- Users can create an account to add a new campground or comment and like existing campgrounds in the database
- Multiple APIs were used to add different features to the application such as the Google Maps API

Languages/Tools: HTML/CSS, Javascript, Node.js, Express.js, MongoDB

Robotic Surgical Tool Sterilization | 🤖

Dec. 2020

- Developed a program for controlling the movement of a robotic arm to pick up and transfer a surgical tool for sterilization

Languages/Tools: Python, AutoCAD

EXTRACURRICULARS

McMaster Faculty of Engineering

Hamilton, ON

STUDENT AMBASSADOR

Sept. 2020 - PRESENT

- Represents the Faculty of Engineering during school events and promotes engineering programs
- Interacts with prospective engineering students regarding the first year experience at McMaster University
- Collaborates with a team of 10 ambassadors to discuss methods to improve the application process

Ancaster Magic Basketball Club

Hamilton, ON

BASKETBALL COACH AND REFEREE

July. 2016 - Mar. 2020

- Improved the performance of numerous young athletes by conducting basketball drills during training sessions
- Utilized listening and communication skills to make the appropriate calls