Harshdeep Guraya

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EXPERIENCE

Web Application Developer | Canadian Tire Corporation   **Sept 2019 - Present**

- Developing a heat map application to track consumer foot traffic and spending in stores using **Python** and **Flask**

Technical Sales Engineering Intern | Cisco Systems   **May 2019 - Sept 2019**

- Building a responsive web application to aggregate data from several energy monitoring systems using **React**
- Consulting clients on **cloud solutions** in order to drive their growth and market expansion
- Interacting with customers to understand their IT goals and devising executable strategies to reach them

Research Assistant | McMaster University   **April 2017 - Sept 2017**

- Designed experiments to test viable methods for depositing carbon nanotubes onto low cost chemical sensors
- Built a low cost syringe pump using 3D printed materials and programmed the controller using an **Arduino**
- Analyzed experiment data, presented findings to supervisors, and wrote a paper to summarize the research

EDUCATION

B.Eng, Electrical and Biomedical Engineering | McMaster University   **Expected 2021**

- 3.7 GPA, Deans Honour List (Maintaining a 80%+ Average Every Year), Year 3 of 4 Completed
- President's Award (95%+ Entrance Average) & Dean's Excellence Scholarship (Leadership and Volunteerism)
- Golden Key International Honour Society Member (Top 15% in the Program)

Relevant Courses: Principles of Programming, Data Structures & Algorithms, Logic Design, Microcontrollers

SKILLS

Languages Python, Java, C, MATLAB, Assembly, JavaScript, HTML/CSS, SQL

Tools and Frameworks Autodesk Inventor, PSpice, MS Suite, Git , Bootstrap, Flask, ReactJS, ExpressJS, NodeJS

PROJECT WORK

Face Detector | Personal Project   **May 2019 - June 2019**

- Developed a facial detection application using Clarifai's **Facial Detection API** on a **NodeJS** server
- Built the front end using **React**, the back end using **ExpressJS**, and stored the data on **PostgreSQL** database

Microprocessor Data Controller | Personal Project   **Jan 2019 - April 2019**

- Built a angle inclination data acquisition and display system using the **EsduinoXtreme Microcontroller**

Investment Help Bot | Yale Hackathon   **Dec 2018**

- Worked with **Goldman Sachs' Marquee API** and **Natural Language Processing** to create a python chat bot that provides real time investment information, risk tolerance tests, and growth analysis to users in a team of 4

VOLUNTEERING AND EXTRA CIRRICULARS

Cofounder and Vice President | McMaster Gift of Life Foundation   **April 2018 - Present**

- Working directly with the **Kidney Foundation of Canada** and the **Trillium Gift of Life Network** to advocate and clear misconceptions, raise funds, and sign up donors for organ donation within Canada

Patient Care Assistant | Markham-Stouffville Hospital   **June 2014 - Sept 2016**

- Within the cardiac care department: processed patient records and attended to patient calls and requests

Vice Captain | West Toronto F.C   **June 2013 - Sept 2016**

- Led training, developed the team's strategy and positioned players for all season games and tournaments