Harshdeep Guraya

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Experience

Software Developer Intern | Bank of Montreal (BMO Financial Group)   Jan 2020 - April 2020
- Developing scalable enterprise banking applications using **Angular, C#,** and **OracleDB**

Software Developer Intern | Canadian Tire Corporation   Sept 2019 - Dec 2019
- Created a heat map application to calculate and visualize product performance in **500+** retail stores
- Re-engineered front end to **ReactJS,** built a RESTful API using **Python** with **Flask**, and stored data in **MySQL**
- Worked with stakeholders to determine the projects direction, product requirements, and user experience

Systems Engineer Intern | Cisco Systems   May 2019 - Sept 2019
- Increased user retention to **76%** by building an application which aggregates data from several independent monitoring systems using ReactJS, **ExpressJS,** and PostgreSQL
- Generated $100,000+ in sales by providing technical consultation to clients on cloud based solutions

Research Assistant | McMaster University   April 2017 - Sept 2017
- Built a low cost syringe pump using 3D printed materials and programmed the controller using an **Arduino** in C
- Analyzed experimental data, presented findings to supervisors, and wrote a paper to summarize the research

Cofounder and Vice President | Gift of Life Foundation   April 2018 - Present
- Raising funds, advocating, and organizing events to combat the shortage of organ donation in Canada

Education

B.Eng, Electrical and Biomedical Engineering | McMaster University   Expected May 2021
- **3.7/4.0** GPA, Deans Honour List (80%+ Average 2016-2019), 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)

Skills

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

Tools and Technologies ReactJS, Angular, JQuery, Bootstrap, ExpressJS, Flask, NodeJS, Git, Heroku, Jira

Project Work

Celebrity Detector | Personal Project   May 2019 - June 2019
- Developed an application that recognizes celebrities using Clarifai's **Computer Vision API** on a **NodeJS** server
- Built the front end using ReactJS, the back end using ExpressJS, and stored the data in a **PostgreSQL** database

Data Processor | Personal Project   Jan 2019 - April 2019
- Built an inclination data acquisition, computation, and transfer system using the **EsduinoXtreme Microcontroller**
- Programmed the microcontroller in **C** and displayed real time transferred data using **MATLAB**

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