

# VIJAY PATEL

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## EDUCATION

Bachelor of Computer Engineering  
and Management (Co-op)

McMaster University 2022  
Hamilton, ON

Relevant Courses:

- Computational Thinking
- Principles of Programming
- Data Structures and Algorithms
- Software Development
- Logic Design

## SKILLS

Frontend:

- HTML / CSS
- Bootstrap 4

Backend

- C
- Java
- Python

Databases:

- MSSQL Server
- MySQL

Data Analysis:

- Excel
- Tableau
- Minitab
- Matlab

Design:

- Illustrator
- Inventor

Hardware

- Arduino
- Raspberry Pi

## EMPLOYMENT

### TD Bank - IT Analyst Intern

Toronto, ON

May - Aug 2019

- Successfully ensured weekly IT changes were operationally ready by reviewing select changes with Change Owners
- Designed processes to manage over 20 000 toxic combinations and ensure segregation of duties for internal applications using SQL and Excel
- Reduced compliance and risk issues by developing robust Python scripts to integrate continuous monitoring into the pipeline
- Efficiently utilized REST APIs to perform jobs on clients/servers

## PROJECTS

### NBA Award Analysis

Personal Project

Feb 2019

- Scraped advanced statistics for each NBA player from an online basketball statistics website using Python and the BeautifulSoup package
- Filtered out non-rotational/injured players and stored the data into a MySQL database
- Visualized player statistics using Tableau to identify trends and predict end of season award winners

### EasyDocs

DeltaHacks 5

Jan 2019

- Collaborated in a team of 4 to develop a Python web application using the Django framework to help automate paperwork in medical facilities by creating Word documents with summarized patient information
- Designed and implemented a database to store patient information using SQLite
- Developed a Python script to extract information from the database and used the python-docx library to format and output the Word document

## ORGANIZATIONS

### McMaster Hyperloop Team

Financial Associate

Mar 2019 - Present

- Currently overseeing all financial and accounting responsibilities for the McMaster Hyperloop Team

### DeltaHacks Executive Team

Team Member- Attendee Relations

July 2019 - Present

- Currently helping in organizing Delta Hacks VI as a member of the attendee relations team

### McMaster IEEE Student Branch

Team Member - Computer Chapter

Sept 2018 - Apr 2019

- Aided in planning, setting up, and running an Intro to Raspberry Pi workshop for over 40 students
- Designed and taught a lesson plan with mini projects for utilizing Pulse Width Modulation, a Distance Sensor Module, and Python code