

Aryan Rastogi

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TECHNICAL SKILLS

Languages: C#, C, C++, Python, JavaScript, SQL, R, VBA, HTML, CSS

Frameworks: React, Node.js, Flask, Pandas, SQLAlchemy, Bootstrap

Softwares: Microsoft Office(Excel), G Suite, Git, GitHub, Jenkins

EXPERIENCE

BMO Capital Markets

January 2022 – April 2022

Quantitative Analyst, Global Markets

Toronto, ON

- Developed and deployed business solutions such as pricing and risk models using **C#**
- Assisted with developing insights into **trading strategies** leveraging **quantitative modelling**
- Captured and displayed financial market data using **Python** and **React**
- Increased database efficiency by **16%** through refactoring system infrastructure
- Created spreadsheets to calculate correlations using **Excel** and **VBA**
- Constructed tools to automate processing of hundreds of incoming emails daily using **Flask**

Toronto Transit Commission

May 2021 – August 2021

Programmer Analyst

Toronto, ON

- Worked on and completed tickets related to systems support for all departments of the TTC
- Designed and deployed responsive Intranet webpages using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**
- Created and maintained internal systems using **C#**, **SQL**, and **SharePoint**
- Worked with various departments to ensure customer satisfaction with systems

Big Brothers Big Sisters Halton

September 2017 – February 2020

Mentor/Tutor

Milton, ON

- Provided a positive **influence** and **mentorship** to youths in need of support
- Tutored and helped children with their assigned work
- Worked in a **leadership** role to ensure all students were given academic and emotional support

PROJECTS

WeatherVibe | *HTML, CSS, Javascript - Hack The North 2020*

February 2021

- Created a **webpage** that uses location to create a playlist based on the weather at the location
- Worked with various **APIs** in **Javascript** to retrieve user location and weather
- Implemented the **Implicit Grant Flow** in order to interact with the **Spotify API**
- Utilised **RESTful** commands to work with the Spotify API and return and analyze **JSON** information
- Designed a functional webpage using **HTML**, **CSS**, and **Javascript** to interact with user

MovieBot | *Python*

December 2020 – January 2021

- Used **Python** to integrate a discord bot for automated movie selection
- Implemented various utilities using **Discord API** to interact with users
- Used **Beautiful Soup API** to web scrape IMDB in order to return a movie when given a genre

Conway's Game of Life | *C#*

May 2020 – June 2020

- Implemented Conway's Game of Life algorithm in **C#**
- Graphically displayed results of **algorithm** with user control
- Created and carried out **testing procedures** to ensure results of program

EDUCATION

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Computing and Financial Management

September 2020 – April 2025