

MAAZ KHAN

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Education

University of British Columbia

Bachelor of Science in Computer Science

Sep. 2023 – May 2027

Vancouver, British Columbia

University of Toronto

Bachelor of Science in Computer Science

Sep. 2022 – May 2023

Toronto, Ontario

- GPA: 3.7

Experience

Canadian Mental Health Association

June 2023 – August 2023

IT Assistant

Mississauga, Ontario

- Created and implemented a web scraping **Python** script using **Selenium** and **Pandas** to gather and record data of phone bills for over 500 active accounts, helping save over \$5000 per month for the department.
- Helped in creating an automation script on **Azure Cloud** for on-boarding processes to save 2+ hours in manual work for every new hire in the company.
- Maintained smooth flowing technical services for 300+ employees using **Azure Active Directory**.

My Code Club

August 2020 – May 2022

Instructor

Mississauga, Ontario

- Instructed a class of 10 students using Scratch over a course of 12 weeks and coordinated assignments and course material distribution.
- Created and edited existing curriculums for Python and Scratch that were used in multiple course sessions.
- Created a series of 10 video tutorials explaining the basics of Python and Turtle used as official tutorials of the organization.

Projects

Workout Scheduling App | *JavaScript, React, React Native*

- Developed a web and mobile interface to keep track of exercises and record previous sessions by creating a frontend website alongside a mobile application and backend API connected to database.
- Created front-end UI via **React** and **React Native** to log and display statistics, integrating **ChartsJS** to create graphs for easy visual tracking.
- Created an **Express** and **NodeJS** backend API that connected to **MongoDB** Cluster.

Personal Websites | *JavaScript, HTML, CSS*

- Created a series of web pages using **Javascript**, **CSS** and **HTML** hosted on GitHub pages in order to explore and visualize computer science fields of interest.
- Implemented UI for user focused simulation and visualizations such as sorting algorithms, path finding algorithms and a hexagonal grid map.
- Presented previous projects in an accessible and easy-to-use way.

Discord Bot | *Python*

- Created a bot using **Python** for Discord App using the Discord API and hosted on Google Cloud for limited time.
- Implemented currency system that stored and retrieved information even after the bot went offline.
- Bot was used in large servers of 100s of individuals.

2D Platform Game | *Python, PyGame*

- Created a 2 player custom platform game using Python and **PyGame** for a hackathon.
- Processed user input in order to simulate collisions and keep track of score.
- Implemented functionality to connect to 2 players over local LAN for the ability to play on separate devices

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript

Developer Tools: VS Code, Eclipse, Android Studio, Azure Cloud, Azure Active Directory

Technologies/Frameworks: React, Node, Selenium, GitHub