

Muqtadir Ahmed

[Portfolio Website](#) | [GitHub](#) | [LinkedIn](#) | muqtadir.ahmed@mail.mcgill.ca | +1 (514) 571-0814

EDUCATION

McGill University · B.Eng., Electrical Engineering · CGPA: 3.56/4.00

Sep. 2020 - Apr. 2024 (Expected)

SKILLS

- **Languages:** Python, Java, C#, HTML, CSS, Javascript, WPF
- **Tech:** ReactJS, Redux, Material UI, Bootstrap, jQuery, MongoDB, Mongoose, NodeJS, ExpressJS, Git, Bash, JIRA, Nunit

EXPERIENCE

Matrox / Zebra Technologies

Sep. 2022 - Dec. 2022

Software Developer Intern

- Implemented **20 new features** for the UI using **C#**, **WPF** and concepts of **Object Oriented Programming** and **design patterns** to positively impact many clients while using **Tortoise SVN as version control**
- Wrote **10+ unit tests** in **C#** using **Nunit** to increase the code coverage and to validate the written code
- Wrote **50+ test scripts** for integration testing using **SCIM** to validate the functionality of specific parts of the software
- Collaborated with 7 developers using **agile** methodology with 2 week sprint durations and tracked issues using **JIRA**

PROJECTS

First Person Shooter Game (Unity)

May 2022

Personal Project | [GitHub](#) | [Gameplay](#)

- Created a first person shooter game using Unity 3D and C# in which the player is against 6 AI players
- Wrote **11 C# scripts** using **Object Oriented Programming** concepts to allow the players to move, sprint, crouch, jump, shoot, deal/take damage
- Designed and implemented the map, weapons and characters using ProBuilder and the builtin 3D objects

Full Stack (MERN) Social Media Website

Jul. 2022

Personal Project | [GitHub](#) | [Website](#)

- Engineered a social media app called PhotoShare using the **MERN** stack, **Redux**, **Redux-Thunk**, **Material UI** and **Git**
- Implemented a **REST API** that performs a create, read, update and delete operations which updates the **MongoDB (Mongoose)** database and the frontend
- Added a user authentication feature using JSON Web Tokens to allow interaction between multiple unique users

Quiz Website

Aug. 2022

Personal Project | [GitHub](#) | [Website](#)

- Designed the frontend using **Canva** and implemented it using React, Material UI, SASS and Redux
- Used the online Trivia **API** and **Axios** to create an application with 24 quiz categories and 4000+ questions
- Implemented a point system using state management to enable users to keep track of their score

Movie Recommendation Landing Page

Sep. 2022

Personal Project | [GitHub](#) | [Website](#)

- Designed a movie recommendation app using canva and implemented it using React, SASS, Material UI

LEADERSHIP

- **Software Lead (McGill University) - Automated Storage/Retrieval System:** Led 6 students as the software lead for a robotics project using Raspberry Pi and Python. Final system met and surpassed the system's requirements by 167% for delivery, 400% for sorting and had a success rate of 100%