

Saba Memon

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EDUCATION

Computer Science, BSc (Hons) | *Toronto Metropolitan University* **SEP. 2020 – JUN. 2023**
Toronto, ON

- Relevant courses: Introduction to Data Science, Introduction to Software Engineering, Data Mining
- Faculty of Science Dean's List 2020-2021

PROJECTS

VR Lego Simulator **FEB. 2023 – APR. 2023**
Toronto, ON

- Developed a VR Lego Simulator application using C# and Unity through collaborative pair programming sessions, delivering an immersive virtual environment for users to construct and interact with Lego models
- Designed and implemented intuitive user interfaces and interactions within the VR environment, enhancing user experience and accessibility
- Integrated realistic physics simulations into the application, faithfully replicating the behavior of Lego bricks, to enable users to experiment with diverse constructions effectively

Data Mining Report **MAR. 2023 – APR. 2023**
Toronto, ON

- Preprocessed the chosen dataset and applied six different algorithms with 10-fold cross-validation using Weka Explorer to filter out noise and identify the best classifier
- Created charts and tables to visually represent metrics used for data analysis
- Achieved a grade of 90% in Data Mining class, reflecting a strong understanding of data mining techniques and analysis

STUDENT INVOLVEMENT

Student Club Co-President | ArtSci **APR. 2021 – JUN. 2023**
Toronto, ON

- Conducted bi-weekly meetings in a team of 11 to plan club events and foster an inclusive and engaging environment among the Faculty of Science student body

WORK EXPERIENCE

Camp Counselor | STEM Camp **JUL. 2019 – AUG. 2021**
Mississauga, ON

- Lead STEM-related group activities for 20-30 campers aged 5-13 with fellow counselors while maintaining a safe learning environment
- Designed and implemented weekly STEM activities, enhancing camper engagement and participation while ensuring punctual execution

SKILLS

Programming Skills: Python, SQL, C, C++, C#, Java, Swift, Kotlin, Bash

Developer Tools: BitBucket, Github, Git, npm, VMWare, Visual Studio, Eclipse, Pycharm, Xcode, Unity

Frameworks & Libraries: React JS, Node.JS, Vue.JS, Matplotlib, Pytest, scikit-learn, Tkinter