OMAR SHABANA

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EDUCATION

University of Toronto (Class of May 2021)
Honours Bachelor of Science

- Major in Geographic Information Systems
- Minors in Computer Science and Mathematics

PROJECTS

Public Shopping App (React & Node)

- Worked as a team to create an application designed to assist people with grocery shopping during Covid-19
- Implemented features like a synced grocery list between user groups and an administrator panel for DB manipulation
- Integrated back-end features such as user authentication that involved multiple tiers such as user, group admin etc

2D Game Engine (JavaScript)

- Developed a 2D game library with features like movement, projectiles, and UI elements
- Focused on making interactive 2D retro games easier to develop in as few lines of code as possible
- Designed this library to be used by new programmers for a fun learning experience

Finance Portfolio Tracker (React & Node)

- Used tools like react-cookie, mongoose and bycrypt to mange user state and authentication
- Implemented a REST API to assist the front-end with displaying user portfolios
- Learned to retrieve financial information using an external SDK
- Manged user data using MongoDB

Sentiment Analyzer (Python)

- Built a CLI analyzer that scores the sentiment of a query's top news articles
- Scraped information with Python from top Google News articles
- Used NLP to analyze the scraped data and score its sentiment

- ⚲ More projects/information on here

COMPUTER SKILLS

Programming Languages

- JavaScript/TypeScript
- Python
- C
- Java
- C#

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Web Development Skills

- React
- Node
- HTML5
- CSS3

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Other

- Git
- Linux/Unix
- MongoDB
- MySQL

COURSEWORK

Computer Science

- Software Development
- Algorithm Design and Analysis
- Data Structures and Analysis
- Web Development
- Theory of Computation
- Software Tools and Systems Programming

SOFT SKILLS

- Problem solving
- Analytical skills
- Communication
- Resourceful
- People oriented
- Critical Thinking