OMAR SHABANA

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EDUCATION

University of Toronto | Expected May 2021
Honours Bachelor of Science

- Majored in Geographic Information Systems
- Minored in Computer Science and Mathematics

PROJECTS

Public Shopping App | React, Node & MongoDB

- Worked with a team to create an application designed to assist at risk people with grocery shopping
- Implemented features like a synced grocery list between user groups and an administrator panel for database manipulation
- Added user authentication that involved multiple tiers such as user, group admin etc

2D Game Engine | JavaScript

- Developed a 2D game engine 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
- Used a minimalist tech stack of HTML, CSS and JavaScript without requiring external libraries

Asset Portfolio Tracker | React, Node & MongoDB

- Integrated libraries like react-cookie, mongoose, axios and bcrypt to mange user state and authentication
- Created an API to assist the front-end with displaying user portfolios
- Learned to retrieve stock asset information using an external API

Sentiment Analyzer | Python

- Built a CLI that scores the sentiment of a query's top news articles
- Scraped information with Python from top Google News articles
- Used Natural Language Processing libraries to analyze the scraped data and score its sentiment to estimate how it is viewed by the public

Website: www.oshabana.github.io/Portfolio

COMPUTER SKILLS

Programming Languages

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

Web Development Skills

- React
- Node
- HTML5
- CSS3

Other

- Git
- Linux/Unix
- MongoDB
- SQL
- Docker

COURSEWORK

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

LEADERSHIP

Supervisor | Tim Hortons
2015-2019

- Oversaw all store operations when present
- Solved problems quickly in a high stress environment