# OMAR SHABANA

📍 Toronto, Onatrio   @ omarwshabana@gmail.com   ⚙ www.github/oshabana   📞 (416) 720-4872

## EDUCATION

**University of Toronto | Expected May 2021**
**H**onours Bachelor of Science

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

## PROJECTS

Website: www.oshabana.github.io/Portfolio

**Covid-19 Shoppers App |** **Website,  Code**

- Built with React.js, Node.js and 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 |** **Website,  Code**

- Used a minimalist tech stack of HTML, CSS and JavaScript without requiring external libraries
- 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

**Asset Portfolio Tracker |** **Code**

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

**3D Foraging Game |** **Code**

- Created a game using C# and Unity
- Implemented camera controls like zoom in and out
- Included UI elements like a backpack and an item identifier
- Added player controls and abilities such as mining and woodcutting

## SKILLS

**Programming Languages**

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

**Web Development**

- React.js
- Node.js
- 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