Omar Shabana

(416) 720 4872 • omarwshabana@gmail.com • oshabana.github.io/Portfolio/

Education

University of Toronto **Toronto, ON**
Honours Bachelor of Science, *Expected: May 2021*

Major: Geographic Information Systems
Minors: Computer Science, Mathematics

Skills

Languages: JavaScript(ES6)/TypeScript, HTML5, CSS3, Python, C, Java, SQL
Frameworks/Libraries: React.js, Node.js, Express.js, Jest, Puppeteer
Tools: Git, Linux, MongoDB, Docker, Kubernetes

Projects

Grocery Shopping App **Website | Code**

- Constructed with React.js, Bootstrap, Node.js, Express.js and MongoDB
- Participated in using industry software engineering practices such as creating design documents and scrum meetings
- Added user authorization which involved multiple tiers such as user, group administrator and server administrator
- Implemented features like synced grocery lists between user groups and administrator panel for database manipulation

Asset Portfolio Tracker **Code**

- Built a full-stack app with React.js, Node.js, Express.js and MongoDB
- Integrated libraries like react-cookie, mongoose, axios, as well as bcrypt, to mange authentication and user state
- Designed a REST API to assist the front-end with displaying user portfolios
- Used an external API to retrieve stock data

2D Front-End Game Engine **Website | Code**

- Used HTML, CSS and JavaScript
- Developed a 2D game engine with features like movement, projectiles, and user interface elements
- Focused on making interactive 2D retro games easier to develop in as few lines of code as possible

3D Foraging Game **Code**

- Created a game using C# and Unity
- Implemented camera controls like zoom in and out
- Included user interface elements like a backpack and an object identifier
- Added player controls and skills such as mining and woodcutting

Experience

Tim Hortons **Mississauga, ON**
Supervisor, *September 2014 – December 2018*

- Oversaw all store operations when present
- Solved problems quickly in a fast-paced, high stress environment
- Created and implemented a system to improve drive-thru service times by over 30% during peak hours