Omar Shabana

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Toronto, Ontario

Education

University of Toronto   **Toronto, ON**
Honours Bachelor of Science,   *April 2021*

Major: Geographic Information Systems
Minors: Computer Science, Mathematics

Skills

Languages: JavaScript/TypeScript, HTML, CSS, Python, C, Java, C#, PostgreSQL
Frameworks/Libraries: React, Node, Express, Jest, Puppeteer
Tools: Git, Linux, Bash, MongoDB, Docker, Kubernetes

Projects

Grocery Shopping App   **Website, Code**

- Constructed with React, Bootstrap, Node, Express and MongoDB
- Assembled important security features such as user authorization to protect user data
- Programmed various components including synced grocery lists and an administrator panel
- Incorporated tools like Git for version control to simplify and combine group work
- Spearheaded integration of many components to create a seamlessly interdependent app

Asset Portfolio Tracker   **Code**

- Engineered a full-stack app with React, Node, Express 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
- Utilized an external API to retrieve stock data for providing accurate and up to date information

2D Game Engine   **Website, Code**

- Built with HTML, CSS and JavaScript
- Devised a 2D game engine with features like movement, projectiles, and user interface elements
- Established an open source tool to help developers create games and build up the source code
- Composed documentation to allow users to easily get started through concise descriptions and examples

Experience

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

- Oversaw all store operations when present including technical issues and staff management
- Resolved unexpected problems quickly in a fast-paced, high stress environment
- Mentored employees to be effective communicators with customers to provide an excellent experience
- Cultivated a positive workplace environment where everyone had a voice regarding their tasks