Omar Shabana

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Education

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

Major: Geographic Information Systems
Minors: Computer Science, Mathematics

Skills

Languages: JavaScript(ES6)/TypeScript, HTML5, CSS3, Python, C, Java, C#, PostgreSQL
Frameworks/Libraries: React, Node, Express, Jest, Puppeteer
Tools: Git, Linux, MongoDB, Docker, Kubernetes, AWS (Lambda, S3, EC2)

Projects

Grocery Shopping App   **Website | Code**

o Constructed the app with React, Bootstrap, Node, Express and MongoDB
o Added user authorization using bcrypt and session cookies
o Implemented features like synced grocery lists and an administrator panel for database manipulation
o Collaborated with a team and managed sprints using tools like Git

Asset Portfolio Tracker   **Code**

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

2D Game Engine   **Website | Code**

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

Experience

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

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