

# Omar Shabana

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Toronto, Ontario

## Education

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### University of Toronto

*Honours Bachelor of Science,*  
Major GPA: 3.13

**Toronto, ON**

*April 2021*

**Major:** Geographic Information Systems

**Minors:** Computer Science, Mathematics

## Skills

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**Languages:** JavaScript/TypeScript, HTML, CSS, Python, C, Java, C#, PostgreSQL

**Frameworks/Libraries:** React, Node, Express, Jest, Puppeteer

**Tools:** Git, Linux, Bash, MongoDB, Docker, Kubernetes, AWS (Lambda, S3, EC2)

## Projects

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### Grocery Shopping App

**Website, Code**

- Constructed with React, Bootstrap, Node, Express and MongoDB
- Undertook the creation of important security features to protect user data
- Programmed key components including synced grocery lists and an administrator panel
- Spearheaded integration of all components to create a seamlessly interdependent app
- Incorporated tools like Git for version control to simplify and combine team work

### 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 manage authentication and security
- Designed a REST API allowing users to perform CRUD operations on their data with ease
- Utilized an external API to retrieve stock data and provide accurate, up to date information

### 2D Game Engine

**Website, Code**

- Built with HTML, CSS and JavaScript
- Implemented a 2D game engine including features like movement, projectiles, and user interface elements
- Established an open-source tool; helping developers create games and easily modify the source code
- Composed documentation enabling creators to easily get started through concise descriptions and examples

## Experience

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### Tim Hortons

**Mississauga, ON**

*Supervisor,*

*September 2014 – December 2018*

- Oversaw all store operations when present including food production, safety, and staff members
- Resolved unexpected problems quickly in a fast-paced, high-stress environment
- Mentored employees to be effective communicators with customers, thus providing an excellent experience
- Cultivated a positive workplace environment giving everyone a voice regarding their daily tasks