

# Omar Shabana

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## SKILLS

### PROGRAMMING AND TOOLS

Web Tools

- HTML+CSS
- JavaScript/TypeScript
- React
- Nodejs

General Purpose Programming

- Python
- C

- Java
- C#

Tools

- Git
- Linux/Unix
- MongoDB
- MySQL

## EDUCATION

University of Toronto

B.Sc in Geographic Information Systems

Minors: Computer Science & Mathematics

Class of 2021

Maj. GPA: 3.1

## COURSEWORK

Software Development

Algorithm Design and Analysis

Machine Learning

Data Structures and Analysis

Web Development

Theory of Computation

Software Tools and Systems Prog

## LINKS

[GitHub](#)

[LinkedIn](#)

[Personal Site](#)

## PROJECTS

### FINANCE PORTFOLIO TRACKER | REACT AND NODEJS

- Utilized frameworks and libraries such as React and Express to complete a full stack application
- Implemented a REST API to assist the front end with displaying user portfolios
- Manged user data using MongoDB to implement a fully CRUD capable back end

[GitHub](#)

### PUBLIC SHOPPING APP | REACT AND NODEJS

- Worked as a team to create an application designed to assist people with grocery shopping during Covid-19
- Built a full stack application using React, Node and MongoDB (MERN)
- Designed web app to help shoppers coordinate with neighbours to minimize grocery trips for public safety
- Implemented back end features such as user security
- Integrated the back end and front end to achieve a deployment ready app

[GitHub](#) | [Live Link](#)

### 2D GAME LIBRARY | JAVASCRIPT

- Developed a 2D game library 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
- Designed this library to be used by new programmers for a fun experience while learning

[GitHub](#) | [Documentation](#)

### SENTIMENT ANALYZER | PYTHON

- Built an analyzer that scores the sentiment of a query's top news articles
- Scraped information with Python from top Google News articles
- Used NLP to analyze the scraped data and score its sentiment

[GitHub](#)

## WORK

### SUPERVISOR - TIM HORTONS (2014-2019)

- Oversaw all store operations when present
- Supervised a team to achieve customer satisfaction
- Solved problems quickly in a high stress environment
- Improved service time during peak hours by 30%
- Trained employees to be efficient