

# Stephan Motha

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G: <https://github.com/stephanmotha>

## EDUCATION

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### University of Toronto

- **Degree:** Completed one year, Bachelor of Science - Computer Science
- **CGPA:** 3.96/4.00
- **Upcoming Relevant Coursework:** Software Design, Data Structures and Analysis, Systems Programming and Software Tools
- **Honors:** Recipient of University of Toronto's entrance scholarship and an admission average of 96% (2019), Recipient of University of Toronto Scholars scholarship for the top 700 University of Toronto Applicants (2019)

## PERSONAL PROJECTS

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### Price Analysis Web Scraper

Summer 2020

Python

- Extracted data such as product titles and prices (headphones) from a website using the beautiful soup library
- The prices are analyzed, and an email is sent to the user if any of the product prices are below a value specified by the user
- Cumulatively exports the collected data to a CSV file for future reference on each program run

### Discord Bot

Summer 2020

Node.js

- Uses discord.js to allow users to use lotteries, polls, ask questions, set timers, manage deleted and edited messages and solve complex math problems using recursion with simple server commands

### Social Media Manager Chrome Extension

Summer 2020

HTML/CSS/JavaScript/JQuery/JSON

- Allows users quick access to their favourite social media platforms and gathers them into one place using customizable user settings through local storage
- Supports dark mode and light mode for user preference

### Two Player Racing Game

Summer 2018

JavaScript

- A browser-based racing game that uses the p5.js library to create a user interface with moving obstacles and simple controls

## TECHNICAL SKILLS

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**Languages:** Python, Java, SQL, HTML, CSS, JavaScript, R

**Other:** Node.js, MySQL, Pandas, Matplotlib, Bootstrap, Excel

## ADDITIONAL EXPERIENCE

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### DEEP Summer Academy

Toronto, Ontario

Student

Summer 2018

- **Attended courses:** Web Applications, Game design, Computational Physics
- **Introduced to:** Node.js, React, p5.js, Matplotlib
- **Created:** <https://www.stephanmotha.com>

### Kumon Math and Reading

Mississauga, Ontario

Tutor - Volunteer

Fall 2016 - Winter 2016

- Assisted students from grades 1-9 to acquire a better understanding of higher level mathematical and linguistic concepts to achieve success in school

**Interests:** Wildlife, Photography, Basketball