

# MATTHEW SZURKOWSKI

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## Education

### University of Guelph

Sep. 2019 – April 2023

*B.Comp Software Engineering (Honours)*

*Guelph, ON*

### Relevant Coursework

- |                            |                                |  |   |
|----------------------------|--------------------------------|--|---|
| • Data Structures          | • Linear Algebra I             | • Operating Systems                      | • Object Oriented Programming             |
| • Intermediate Programming | • Scripting for the Humanities | • Analysis Design of Computer Algorithms | • Software System Development Integration |

## Technical Skills

**Proficient:** C, Python 3, JavaScript, HTML/CSS, Bootstrap, Git/Github

**Comfortable:** Java, Numpy, Pandas, Beautiful Soup, Selenium, Bash, Node.js

**Familiar:** C++, Lua, Perl, React, SQL, R

## Experience

### MindKraft

June 2020 – Present

*STEM instructor*

*Oakville, ON*

- Led students through introductory Scratch, Lua, Java, and Python coding classes.
- Developed various courses and tutorials in Lua, and Java.
- Educated students on fundamental robotics programming, concepts, and design.

### GryphHacks

June 2021 – August 2021

*Web Developer and Finance Associate*

*Guelph, ON*

- Assisted in development and design of the GryphHacks hackathon website using Figma, HTML, CSS, React, Express.js, and Google Firebase.
- Collaborated with the finance team to help develop budgeting plans for 200+ expected students using Microsoft Excel and Microsoft Word.
- Utilized Figma and cooperated with the design team to develop various website pages.

## Projects

### Algo Trading | Python, Pandas, matplotlib, yfinance, Numpy, Financial Modeling Prep API

August 2021 - Present

- Created and plotted simple moving averages, Fibonacci retracements, and other comparisons using yahoo finance data, Python, and Python libraries.
- Built a Python script that utilizes the Financial Modeling Prep API to accurately create discounted cash flow models (DCF models) using weighted average cost of capital (WACC).

### GeniusClone | HTML, CSS, Javascript, Bootstrap, Last.fm API, lyrics.ovh, Heroku API

January 2021

- Implemented a website that displays your favourite artist's top 50 songs with their lyrics using various API calls.

## Leadership / Extracurricular

### Residence Assistant

August 2021 – Present

*Lennox/Addington Residences*

*University of Guelph*

- Demonstrated exceptional leadership skills by managing and maintaining relationships with students throughout the Lennox/Addington community.
- Maintained perfect attendance to Monday night meetings.
- Coordinated community experiences, O-week events, as well as general meetings with students in the Lennox/Addington community.

## Awards

Dean's Honours List - May 2020

May Court Scholarship - May 2019, May 2020

Rotary Club Scholarship - May 2019