

MATTHEW SZURKOWSKI

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Education

University of Guelph

B.Comp Software Engineering (Honours)

Sep. 2019 – April 2023

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

STEM instructor

June 2020 – Present

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

Web Developer and Finance Associate

June 2021 – August 2021

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

Lennox/Addington Residences

August 2021 – Present

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.

Extracurricular

- Microsoft Learn Student Ambassador
- DECA U Lang - Delegate
- Google Developer Student Clubs - Technical Associate
- Guelph Student Investment Council - Participating Analyst
- Society of Computing and Information Science