Matthew Szurkowski

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Education

University of Guelph   **Sep. 2019 – April 2023**
B.Comp Software Engineering (Honours)   *Guelph, ON*

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 2021 – 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.

Soln   **May 2021 – August 2021**
Front End Developer   *Toronto, ON*
- Designed the website using HTML, CSS, JavaScript, and Bootstrap.
- Produced and implemented several stock trading indicator tools for the Markex website including moving averages, Fibonacci retracement levels, and exponential moving averages.
- Demonstrated excellent organizational abilities during weekly stand-up SCRUM meetings.

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   **Summer 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