

Matthew Frieri

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SKILLS

Programming Languages: Python, Java, HTML/CSS, JavaScript, TypeScript, C#, SQL, R

Technologies / Frameworks: Git, OpenCV, Pandas, Matplotlib, Flask, React, MongoDB, REST API, AWS, Excel

EXPERIENCE

Independent Software Developer

May 2024 - Present

CITY OF VAUGHAN

Vaughan, ON

- Initiated and developed a time management solution for the City of Vaughan's Infrastructure Planning and Corporate Asset Management Department, demonstrating proactive engagement and commitment to addressing real-world challenges.
- Currently redeveloping the initial solution into a Microsoft Teams extension, highlighting adaptability and readiness to utilize diverse technological platforms
- Demonstrated strategic thinking by analyzing project requirements, identifying potential risks, and proactively implementing mitigation strategies to ensure project success.

Undergraduate Research Lead and Mentor

Jan 2024 - May 2024

YOUREKA CANADA w/ UNIVERSITY OF TORONTO

Toronto, ON

- Led a team of junior researchers through the analysis of large datasets to reveal statistically significant correlations and patterns.
- Streamlined research processes by implementing data analysis techniques and methodologies using Python and R.
- Provided guidance and mentorship to junior researchers, while fostering interdisciplinary collaborations, thereby fostering a dynamic and innovative research environment and enhancing research quality.

Volunteer Coding Instructor

Sep 2022 - June 2023

ST. VERONICA ELEMENTARY SCHOOL

Vaughan, ON

- Led an after-school coding class, teaching young students how to think programmatically, conceptualize their ideas, and implement basic logic using Scratch.
- Delivered one-on-one feedback, enriching students' learning experience and engaging those at all skill levels.
- Provided mentorship and guidance, making lessons enjoyable and inspiring students to pursue further learning and exploration in computer science.

PROJECTS

CookClever App (Hackathon) | *JavaScript, React, HTML/CSS, Python, Flask, MongoDB, Google AI Studio*

- During HawkHacks 2024, my team and I developed an interactive cooking app incorporating AI image analysis and MongoDB authentication systems, offering a fun and innovative cooking experience.
- Utilized a Flask mono-repo setup to seamlessly integrate the Python back-end with the React front-end, delivering a cohesive and user-friendly application.

PixelPunch Game | *Python, OpenCV, Mediapipe*

- Created an interactive boxing game employing a camera, machine learning algorithms, and real-time feature recognition to track and analyze players' movements.
- Promotes physical activity, engaging users in dynamic gameplay while encouraging active participation.

EDUCATION

University of Toronto (*Annual 4.0 GPA*)

Computer Science Major and Data Science Specialization

Toronto, ON

Sep 2023 - April 2027