

# Matthew Frieri

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## EDUCATION

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<b>University of Toronto</b> ( <i>Annual 4.0 GPA</i> ) <i>Data Science Specialist and Computer Science Major</i>	Toronto, ON Sep 2023 - Apr 2027
<b>Maple High School</b> ( <i>96% Average</i> ) <i>International Baccalaureate (IB) Program</i>	Maple, ON Aug 2019 - June 2023

## SKILLS

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**Programming Languages:** Python, Java, HTML/CSS, JavaScript, TypeScript, C#, SQL, R  
**Technologies / Frameworks:** Git, React, REST API, Flask, AWS, OpenCV, Pandas, Matplotlib, MongoDB, Excel

## EXPERIENCE

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<b>Independent Software Developer</b> <i>CITY OF VAUGHAN</i>	May 2024 - Present Vaughan, ON
<ul style="list-style-type: none"><li>Pitched and initiated a time management solution for the City of Vaughan's Infrastructure Planning and Corporate Asset Management Department.</li><li>Currently working with the City's Enterprise Architect to refactor the solution into a Microsoft Teams extension.</li><li>Analyzed project requirements and identified potential risks, ensuring project success.</li></ul>	

<b>Undergraduate Research Lead and Mentor</b> <i>YOUREKA CANADA w/ UNIVERSITY OF TORONTO</i>	Jan 2024 - May 2024 Toronto, ON
<ul style="list-style-type: none"><li>Led a team of junior researchers through the analysis of large datasets to reveal statistical correlations.</li><li>Streamlined research processes by implementing data analysis techniques and methodologies using Python and R.</li><li>Provided guidance and mentorship to junior researchers, while fostering interdisciplinary collaborations, thereby promoting a dynamic and innovative research environment and enhancing research quality.</li></ul>	

<b>Volunteer Coding Instructor</b> <i>ST. VERONICA ELEMENTARY SCHOOL</i>	Sep 2022 - June 2023 Vaughan, ON
<ul style="list-style-type: none"><li>Led an after-school coding class, teaching young students how to think programmatically, conceptualize their ideas, and implement basic logic using Scratch.</li><li>Delivered one-on-one feedback, enriching students' learning experience and engaging those at all skill levels.</li><li>Provided mentorship and guidance, making lessons enjoyable and inspiring students to pursue computer science.</li></ul>	

<b>Swim Instructor and Lifeguard</b> <i>SWIM TIME WOODBRIDGE</i>	July 2019 - Present Vaughan, ON
<ul style="list-style-type: none"><li>Delivered engaging and effective swim lessons, tailoring instruction methods to meet individual swimmer needs.</li><li>Provided positive reinforcement and motivation to increase student confidence and performance.</li></ul>	

## PROJECTS

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<b>CookClever App (Hackathon)</b>   <i>JavaScript, React, HTML/CSS, Python, Flask, MongoDB, Google AI Studio</i>
<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>
<b>PixelPunch Game</b>   <i>Python, OpenCV, Mediapipe</i>
<ul style="list-style-type: none"><li>Created an interactive boxing game employing a camera, machine learning algorithms, and real-time feature recognition to track and analyze players' movements.</li></ul>