

# Miles Pitassi

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## OBJECTIVE

Data analyst with a Master's in Mathematics and six published research papers, currently serving as a Research Scientist Intern with the Chicago Blackhawks.

## EDUCATION

<b>University of Waterloo</b> <i>MMath (Master's in Mathematics Thesis) – Rico Mariani 2SLGBTQ+ Graduate Award – 4.0 GPA</i>	Waterloo, ON
<b>University of Western Ontario</b> <i>Bachelor of Software Engineering - 4-Year UWO Admission Scholarship - 4.0 GPA</i>	London, ON
<b>Ivey Business School</b> <i>Honors Business Administration (HBA) - 3.9 GPA</i>	London, ON

## EXPERIENCE

<b>Research Scientist Intern</b> <i>Chicago Blackhawks</i> <ul style="list-style-type: none"><li>Working with NHL tracking data to support model development and applied research for team decision-making, including applications of AI</li></ul>	June 2025 – Present <i>Chicago, IL</i>
<b>Research and Teaching Assistant</b> <i>University of Waterloo</i> <ul style="list-style-type: none"><li>Developed machine learning models and statistical analyses using NHL puck and player tracking data, resulting in multiple published research papers</li><li>Assisted in teaching Mathematics and Computer Science courses, including creating and delivering instructional materials, conducting tutorials and lab sessions, and providing academic support to over 100 students</li></ul>	May 2023 – June 2025 <i>Waterloo, ON</i>
<b>Associate - Corporate Strategy and Transaction Advisory</b> <i>Richter Consulting</i> <ul style="list-style-type: none"><li>Analyzed market and financial data to identify growth opportunities; ideated and implemented a 5-year expansion strategy for a Montreal beauty store, successfully expanding into 5 cities across Canada</li><li>Led an end-to-end digital transformation for a subscription-based alcohol company, resulting in a forecasted growth of 100% over the next four months</li></ul>	September 2021 – August 2022 <i>Toronto, ON</i>
<b>Data Analyst Internships</b> <i>Ontario Teachers' Pension Plan (OTPP) &amp; TD Canada Trust</i> <ul style="list-style-type: none"><li>OTPP (2020): Collected, curated, and analyzed campaign data using PowerBI, SQL, and Adobe Analytics; delivered insights in presentations to large audiences, including one to all of Member Services (800+ staff)</li><li>TD (2018, 2019): Developed software to detect and score customer digital activity to support the Next Best Action (NBA) machine learning model; created estate account reports that led to a national retention initiative</li></ul>	2018, 2019, 2020 <i>Toronto, ON</i>

## PUBLICATIONS

<b>Traffic and Shot Attempts in Ice Hockey</b>   <i>Miles Pitassi et al.</i>	ISACE 2025
<b>Puck Possessions and Team Success in the NHL</b>   <i>Miles Pitassi, Tim Brecht and Mingyue Xie</i>	LINHAC 2024
<b>Advancing NHL Analytics through Explainable AI</b>   <i>Miles Pitassi and Robin Cohen</i>	CAIAC 2024
<b>Co-author (3): Net Visibility and Reachability, Individual Puck Possessions I and II</b>	LINHAC 2025

## PROJECTS

<b>SafeSpace</b>   <i>Node.js, Swift, TensorFlow.js, Express.js</i> <ul style="list-style-type: none"><li>Developed a full-stack mobile application to address the limitations of mental health therapy</li><li>Node.js serves a REST API for the backend, Swift is used for the frontend for iOS devices, and TensorFlow.js is used for the abuse detection model</li></ul>
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