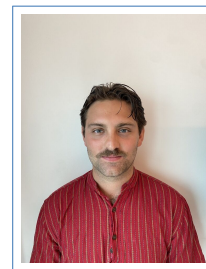


Miles Pitassi

Research Scientist Intern
Chicago Blackhawks
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Education

- 2023–2025 **Master of Mathematics, David R. Cheriton School of Computer Science, University of Waterloo, Ontario.**
Advisor: Tim Brecht (brecht@uwaterloo.ca)
Topics: Explainable AI, Statistical Modeling, Hockey Analytics, Team and Player Evaluation and Strategy
- 2018–2021 **Honours Business Administration (HBA), Ivey Business School, Western University, Ontario.**
- 2016–2021 **Bachelor of Engineering, Software Engineering, Western University, Ontario.**

Professional Experience

2025–Current **Research Scientist Intern**
Chicago Blackhawks



2023–2025 **Research and Teaching Assistant**
University of Waterloo



2021–2022 **Associate - Corporate Strategy and Transaction Advisory**
Richter Consulting



2020 **Data Analyst Intern**
Ontario Teacher's Pension Plan



2018, 2019 **Personal Business Data Analyst Intern**
TD Canada Trust



Publications

Thesis

- 2025 **Miles Pitassi**, Puck Possessions and Net Traffic Metrics in Ice Hockey, *Master's Thesis, University of Waterloo*, 2025.
[\[Link\]](#)

Articles in Refereed Conference Proceedings

- 2025 **Miles Pitassi**, Evan Iaboni, Fauzan Lodhi and Tim Brecht, Examining the Impact of Traffic on Shot Attempts in Ice Hockey, *International Sports Analytics Conference and Exhibition (ISACE25)*, 2025.
[Link]
- Evan Iaboni, Sebastian Negulescu, **Miles Pitassi**, Amir Nazemi, Jerrin Bright, Vasyl Chomko, David A. Clausi, Sven Dickison and Tim Brecht, *Position Paper: New Views of Shots - Towards Measures of Net Visibility and Reachability*, *Linköping Hockey Analytics Conference (LINHAC)*, 2025, [Link].
- Evan Iaboni, Sebastian Negulescu, **Miles Pitassi**, Fauzan Lodhi, and Tim Brecht, Individual Puck Possessions Part I: Frequency, Duration, and Distance Travelled, *Linköping Hockey Analytics Conference, Research Track (LINHAC)*, 2025.
[Link]
- Fauzan Lodhi, Sebastian Negulescu, **Miles Pitassi**, Evan Iaboni and Tim Brecht, Individual Puck Possessions Part II: Speed Bursts and Possession Times within Teams, *Linköping Hockey Analytics Conference, Research Track (LINHAC)*, 2025.
[Link]
- 2024 **Miles Pitassi**, Tim Brecht and Mingyue Xie, Puck Possessions and Team Success in the NHL, *Linköping Hockey Analytics Conference, Research Track (LINHAC)*, 2024.
[Link]
- Miles Pitassi** and Robin Cohen, Advancing NHL Analytics through Explainable AI, *Canadian AI Conference (CAIAC)*, 2024.
[Link]

Conference Presentations

- Sep 2025 (upcoming) **Examining the Impact of Traffic on Shot Attempts in Ice Hockey**, accepted for presentation at *International Sports Analytics Conference and Exhibition (ISACE25)*, Shanghai, China.
- Jun 2024 **Puck Possessions and Team Success in the NHL**, presented at *Linköping Hockey Analytics Conference (LINHAC)*, Linköping, Sweden.
- May 2024 **Advancing NHL Analytics through Explainable AI**, presented at *Canadian AI Conference (CAIAC)*, Guelph, Canada.

Awards

- 2024 Recipient of the **Rico Mariani 2SLGBTQ+ Graduate Award** (\$5000), awarded to a graduate student demonstrating outstanding academic merit and advocacy for 2SLGBTQ+ communities.
- 2020 Selected for a **Top Capstone Project** in Western Engineering for “SafeSpace” – a full-stack mental health mobile app developed using Node.js, Swift, TensorFlow.js, and Express.js.
- 2016 Awarded the **4-Year UWO Admission Scholarship** for entering with a 95%+ average, recognizing academic excellence upon admission to Western University.

Teaching Assistantship

- Winter 2024 **CS230: Introduction to Computers and Computer Applications**, *University of Waterloo*, Instructional Apprentice — Delivered tutorials and a guest lecture, developed teaching materials, and supported course delivery. Received perfect evaluation scores and frequent commendations for instructional clarity and engagement.
- Fall 2023 **CS115: Introduction to Computer Science 1**, *University of Waterloo*, Led tutorials, held office hours, and supported assessments. Rated 5.0/5.0 with strong student feedback highlighting clear explanations and responsiveness..

Spring 2023 **CS240: Data Structures and Data Management**, *University of Waterloo*, Provided tutorial support and office hours for a core data structures course. Consistently rated 5.0/5.0, with student comments emphasizing effectiveness in breaking down complex concepts.

Service & Leadership

2024–Present **Volunteer Tutor**, Parkdale Project Read — Provide weekly one-on-one tutoring to adult learners in literacy and numeracy. Support goal-based learning with a trauma-informed, learner-centered approach. Engage in community-building activities and adapt instructional strategies to diverse learning needs.

Referees

Dr. Tim Brecht

Adjunct Professor, David R.
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Dr. George Labahn

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