

# Jack Hinde

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## Education

September 2018 – April 2023

**Honours Bachelor of Science in Mathematics and Statistics**

**McMaster University**, *Hamilton, ON*

Minor in Computer Science

- Co-President, McMaster Sports Community

## Experience

June 2023 – Present

**Baseball Analyst**, **Barrie Baycats**, **Intercounty Baseball League**

- Logged pitch and play data from all 42 regular season and playoff games, ensuring accuracy of lineups, rosters, and data.
- Collaborated on the development of a Tableau dashboard to visualize pitch and play data and to evaluate players with sabermetric statistics, assisting with planning in-game strategy.
- Researched upcoming opponents using logged data and publicly available video to analyze the opponent's players for game planning.
- Prepared a report prior to each game for distribution to the coaching staff and to the team presenting data-driven results evaluating the team's players and assessing the opponent's players.

February 2024 – July 2024

**Systems Analyst (Contract)**, **Leadbetter Foods**, *Orillia, ON*

- Developed and presented a weekly report in Excel containing sales, operating and purchasing KPIs to stakeholders and technical experts using data retrieved from Microsoft SQL Server Management Studio.
- Consolidated and generalized 60 cost reporting documents into a single dataset to improve the efficiency of calculating production costs.

August 2019 – February 2024

**Mathematics Tutor (Part Time)**, **Scholarly Elite Tutoring**, *Barrie, ON*

- Communicated complex mathematics, physics, and computer science concepts at a grade-appropriate level to students ranging in age from high school to university.
- Customized lesson plans to engage students and to address areas of highest concern.

May 2022 – August 2022

**Pricing Analyst Intern**, **UBIQ Analytics Ltd.**, *Toronto, ON*

- Used statistical inference and distribution fitting to build a model in Excel predicting probabilities of various betting events occurring during MLB games with publicly available data.
- Provided quantitative analysis using R and Excel on questions in sports betting and sports statistics as ad-hoc requests.

May 2021 – August 2021

**Recruitment Consultant**, **IQ Partners Inc.**, *Toronto, ON*

- Refined the process of reporting in Excel to increase the efficiency of tracking commissions as part of the Operations team.

## Skills

- Microsoft Excel
- Python
- R
- SQL
- Tableau & PowerBI
- Shiny applications
- Data Analysis
- Data visualization
- Machine learning
- Mathematical, statistical, and predictive modeling

## Projects

### Pitch Use And Performance

- Researched the effect changing the percentage thrown of a pitch on its performance using data from the 2021-2023 MLB seasons. Used LASSO regression in Python to quantify and predict this effect for pitchers. This project was presented at the 2024 Saberseminar.

### Cincinnati Reds 2024 Baseball Analytics Hackathon

- Built a Shiny app to visualize pitch-level statistics for every pitcher who appeared in the 2021-2023 MLB seasons. The app was used by our team to inform our decision of three pitchers who would most benefit from a different role in a pitching staff.