

ARTHUR ACKER

arthuracker07@gmail.com, (818)-209-5050

Open to Relocation

<https://tinyurl.com/a-acker>

Master's Student

Data Scientist and Analytics professional with a strong foundation in statistics, machine learning, and data engineering. Experienced in optimizing databases, building data-driven solutions, and developing interactive analytical tools. Passionate about applying data science to sports performance, operational efficiency, consulting, and strategic decision-making. Skilled in translating complex data into actionable insights through clear storytelling and visualization.

PROFESSIONAL EXPERIENCE

Intern Hutchinson Trenton (September 2024 - August 2025)

- Rebuilt internal database interface in Python for managing parts, inventory, and drawings which improved usability for 20+ engineers.
- Redesigned inefficient queries and introduced targeted indexing strategies, improving system-wide search performance by nearly 90%.
- Developed automated data integrity scripts and debugging tools, increasing maintainability and reducing downtime by hours.

Intern Hutchinson Burbank (May 2024 - August 2024)

- Developed Python ETL pipelines to integrate and reconcile ERP and QMS data, increasing cross-team data accuracy by 35%.
- Designed and implemented a centralized analytics layer to standardize fragmented multi-source data for scalable reporting.
- Built and deployed a multi-tab interactive dashboard with dynamic visualizations, reducing manual reporting and accelerating data-driven decision-making.

Intern Hutchinson Burbank (July 2022)

- Developed and deployed Redmine-based ticketing system used by IT teams across North America.
- Automated email ingestion via IMAP/POP3 protocols, streamlining issue tracking and improving response efficiency by 30%.

ANALYTICS PORTFOLIO

Sports Analytics Dashboard: Designed end-to-end pipeline to visualize player metrics and performance insights using R Shiny. Presented the final tool to a panel of judges, earning first place at the competition.

Twitter AI Bot Detector: Used NLP, clustering based on cosine similarity, removing profanity, detecting emojis and checking grammar mistakes to detect bots injected in a large dataset of tweets. Ended with 90% accuracy.

Statistical Data Science in Practicum: Led applied research involving sampling design, non-parametric statistics, and experimental analysis using R and Python. Presented our findings to the lead team at the partner company.

EDUCATION

University of Chicago — *M.S. in Applied Data Science (Expected Aug 2026)*

Scholarship Recipient

McGill University — *B.Sc. in Statistics & Computer Science (GPA: 3.74/4.0, 2021–2025)*

James McGill Scholarship Recipient

TECHNICAL SKILLS

Programming: Python, R, SQL, Bash, Java

Libraries & Tools: pandas, NumPy, scikit-learn, TensorFlow, PyTorch, Matplotlib, Tableau, Power BI, Git

Databases: PostgreSQL, MySQL

Languages: French (Native), English (Fluent), Spanish (Intermediate)

Core Competencies: Data Visualization, Machine Learning, Predictive Modeling, Statistical Inference, Data Engineering, Experimental Design