Jacob L. Posner

1657 Selby Avenue, St. Paul, MN 55104 | (310) 633–4469 | jacobposner22@gmail.com

Education

Macalester College, St. Paul, MN   Bachelor of Science, May 2025
Major: Statistics   Minors: Political Science, Mathematics   GPA: 3.82

Honors: Dean's List (2021–2024)

Relevant Coursework: Core Concepts in Computer Science, Intro to Statistical Modeling, Intro to Data Science, Statistical Machine Learning, Intermediate Data Science, Bayesian Statistics, Multivariable Calculus, Linear Algebra, Probability, Projects in Data Science, Discrete Mathematics, Causal Inference

Skills

Computer: MS Word, MS PowerPoint, MS Excel, Google Docs, Google Slides, Google Sheets
Programming: R, Python, SQL, Git/GitHub, ArcGIS

Related Experience

Accounting Intern, Kipsu, Minneapolis, Minnesota
May 2024 - Aug. 2024
- In charge of debt collection and accounts receivable for 200 properties.
  - Analyzed trends within AR to maximize the amount of money collected.
  - Collected over 400k and completed over 1200 phone calls/emails.
- Created Excel spreadsheets to demonstrate different types of information.
- Completed other various weekly tasks.

Intern, Inside Edge, Remote
Mar. 2024 - Sep. 2024
- Chart different timings for pitchers in MLB and MILB games.
- Daily assignments that I must complete by the end of the day

Health Equity Through Breast Cancer Data
May 2024
- Explored the likelihood of treatment within 90 days of the initial hospital visit for breast cancer patients through Bayesian analysis.
- Co-wrote a report and completed a presentation describing the model-building process and the result with two other students

Teaching Assistant, Macalester College
Sep. 2023 - Dec. 2023
- Supported learning in Introduction to Statistical Modeling by answering student questions during class time and my own independent office hours.

- Helped students learn and troubleshoot R code for the first time.
- Provide constructive feedback on students' homework within the requested time frame.

Best Predictors of the Price of an Airbnb in New York
October 2023
- Built regression model to predict the price of Airbnbs in New York using Lasso and KNN in collaboration with two students.
- Co-wrote a report describing the model-building process and the resulting chosen machine learning model.

NFL Teams Analysis
December 2023
- Used dimension reduction analysis and clustering analysis to explore NFL team data using hierarchical clustering and principal component analysis in collaboration with three other students
- Co-wrote a report

Predicting Future Silver Sluggers and Home Runs
April 2022
- Built regression model to describe the relationship between different baseball statistics, silver slugger winners, and home runs in collaboration with three other students
- Co-wrote a report and completed an oral presentation that described and interpreted the model.

Intern and Coach for Top Level LA Baseball Academy, Los Angeles, California
May 2022 - Present
- Analyze pitchers' velocity, mechanics, and velocity progression for the "Velo Lab" to increase high school baseball pitchers' velocity.
- Coach children ages 8-17, teaching baseball mechanics, strategy, strength and conditioning, and running private lessons.

Intern for Jewish Center for Justice, Los Angeles, California
April 2020 - September 2021
- Participated in daily meetings, collaborated with peers, and called congressional representatives to advocate for JCJ interests
- Worked in a small group setting to create a timeline between COVID-19 and social justice events, comparing correlation between COVID-19 events and significant social justice events at the time.

Varsity Athletics

Macalester College Varsity Baseball
August 2021 - Present
- Pitcher and active member of the team
- Commit 20–25 hours a week year-round for practicing, weight lifting, competing, and traveling, while also maintaining a full course load.