

Erin Franke

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EDUCATION

Macalester College, Saint Paul, MN

- *Degree*: Bachelor of Arts, May 2023. Statistics major; Economics & Computer Science minors
- *GPA*: 3.98/4.0
- *Awards*: Dewitt Wallace Distinguished Scholarship (*merit based scholarship*), Kaplan Prize in Data Science
- *Relevant Coursework*: Probability, Survival Analysis, Computational Linear Algebra, Statistical Machine Learning, Bayesian Statistics, Mathematical Statistics, Correlated Data, Statistical Genetics, Causal Inference, Database Management Systems, Projects in Data Science
- *Skills*: Experienced in R, SQL, Git/Github, LaTeX

EXPERIENCE

Full-time positions

- *Statistical Programmer*; Mayo Clinic (June 2023 - present)
 - Applies knowledge and techniques in data management, programming with R and SAS, statistics and bioinformatics, and workflow management to accomplish research tasks.

Internships/Research

- *Honors Independent Study* (Sep 2022-May 2023): Statistical research project studying the relationship between crime and gentrification in the Twin Cities.
 - Methodology: Poisson generalized linear models, spatial techniques including SAR/CAR models
- *Minnesota Twins Baseball Research Fellow* (May 2022-Aug 2022): Worked as a summer intern in Player Development to analyze players and baseball strategy.
 - Methodology: Regression, GAMs, random forests, xgboost
- *Massachusetts Center for Juvenile Justice Intern* (Jan-May 2022): Worked virtually analyzing data and creating visualizations to help reform juvenile justice in MA.
- *Carnegie Mellon University Statistics/Data Science Research Assistant* (June 2021-July 2021)
 - Selected as part of a 15 person cohort for summer research in statistics and data science
 - Maximizing wOBA with Launch Angle and Exit Velocity with Adam Brodie (Houston Astros), Sarah Sult (WashU), and Brooke Coneeny (Swarthmore College)
 - Methodology: GAMs, logistic regression, skew normal and beta distributions

Additional Experience/Activities

- *Student Athlete*: Macalester Varsity Cross Country & Track and Field
- *Preceptor*: Provide feedback and assist students with concepts in Core Concepts in Computer Science, Intro to Data Science, Intro to Statistical Modeling, and Statistical Machine Learning.
- Founder of Macalester *Data Science for Social Good* student group
- Volunteer at *Common Pantry* of Chicago, IL (2015-present)