Erin Franke

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
- Statistics PhD student (August 2024 - present)

Macalester College, Saint Paul, MN
- Bachelor of Arts, May 2023
- Statistics major; Economics & Computer Science minors
- **GPA**: 3.98/4.0
- **Awards**: Kaplan Prize in Data Science, Summa Cum Laude, Honors, Dewitt Wallace Distinguished Scholarship *(merit based scholarship)*.
- **Skills**: Experienced in R, SQL, SAS, Git/Github, LaTeX

EXPERIENCE

Full-time positions
- **Statistical Programmer**; Mayo Clinic (June 2023 - July 2024)
  - Applies knowledge and techniques in data management, programming with R and SAS, statistics and bioinformatics, and workflow management to accomplish research tasks.

Research and Internships
- **Honors Independent Study** (Sep 2022-May 2023): Statistical research paper 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 baseball strategy using R.
  - Methodology: Regression, GAMs, random forests, xgboost
- **Research Assistant** at Carnegie Mellon University Statistics/Data Science (June 2021-July 2021)*:* Selected as part of a 15 person cohort for summer research in statistics and data science.
  - Completed research project Maximizing wOBA with Launch Angle and Exit Velocity in partnership with two other undergraduate students.
    - Methodology: GAMs, logistic regression, skew normal and beta distributions.

ADDITIONAL ACTIVITIES

- **Student Athlete**: Macalester Varsity Cross Country & Track and Field
- **Preceptor** (2020-2023): 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.
- **MSCS Office Assistant** (2021-2023): Help organize events for the Mathematics, Statistics, and Computer Science department at Macalester College
- **Leader** of Macalester *Data Science for Social Good* student group (2021-2023)

- Group discusses ethics of data science and machine learning and executes small data analysis projects (e.g. analyzing Macalester Sustainability data).
- **Volunteer** at *Common Pantry* of Chicago, IL (2015-present)