

Sarah Thomson
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Education

Bachelor of Arts in Data Science
Macalester College, St. Paul, MN
Minors: Biology, Spanish

Class of 2027
GPA: 4.0

Research Experience

University of Minnesota Twin Cities School of Public Health

(Summer 2025)

Summer Research Intern

- Performed data analysis to research psychopathology in Asian adolescents
- Communicated results with an interactive Shiny app and poster presentation
- Attended equitable data science and community-engaged research seminars

Pepperell Lab at the University of Wisconsin-Madison

(Summer 2024)

Summer Research Intern

- Worked under a graduate student to adapt the lab's RNA-sequencing pipeline to a new server system
- Performed differential expression analysis and visualized the results in RStudio

Work Experience

Macalester College

(Spring 2025-Present)

Preceptor (undergraduate TA) of STAT 253: Statistical Machine Learning

- Held office hours to answer student questions
- Graded and provided feedback on student assignments
- Communicated and collaborated with professor to help course run smoothly

Macalester College

(Spring 2024)

Preceptor (undergraduate TA) of COMP 127: Object-Oriented Programming and Abstraction

- Answered student questions about in-class Java activities

Katy's American Indian Arts

(April-August 2023)

Retail Sales Associate

- Welcomed customers, answered questions, and completed sales transactions

Skills

Programming languages: R, Bash, Java
Data wrangling, analysis, visualization, and storytelling
Intermediate Spanish

Select Relevant Coursework

- STAT 212 Intermediate Data Science
- STAT 253 Statistical Machine Learning
- MATH/COMP 365 Computational Linear Algebra
- COMP 127 Object-Oriented Programming and Abstraction
- BIO 359 Big Data in Ecology
- GEOG 256 Health Geography
- BIO 180 Biodiversity and Evolution
- BIO 170 Ecology and the Environment

Awards

- Dean's List, Macalester College, 4 consecutive semesters (2023-present)
- DeWitt Wallace Distinguished Scholarship, Macalester College (2023-present)
- National Merit Scholarship, National Merit Scholarship Corporation (2023-present)

Volunteer Experience

Dane County Humane Society (Spring 2022-August 2023)
Feline Friend Volunteer

- Socialized shelter cats
- Cleaned cages, washed dishes, did laundry, and completed other upkeep tasks

Camp Woodbrooke (Summer 2021)
Helper

- Helped supervise groups of children ages 7-12 and ensured that camp ran smoothly