

Education:

B.S. in Computer Science | B.S. in Mathematics | University of Maryland, College Park May 2025

Experience:

Immersive Research Internship Experience (IRIE) | [GitHub Page](#)

Undergraduate Research Assistant Summer 2024

- **What:** Worked with Assistant Clinical Professor Thanicha Ruangmas to analyze how the opening of the METRO Green & Blue light rail lines affected demographic groups in Minneapolis & St. Paul, MN.
 - **Used:** R, GitHub, tidyverse, tidycensus, tigris, terra, dplyr, ggplot2, maptiles, knitr
 - **Data Collection:** Queried PM2.5 data from NASA Earth, meteorological data from the GLDAS Catchment Land Surface Model L4.
 - **Results:** Found that the opening of the light rail led to between a 15-18% reduction in PM2.5 air pollution across all age groups, with younger age groups seeing slightly higher reductions.
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Relevant Coursework:

Student, University of Maryland

Computer Science – Machine Learning Track 2022-2025

- Object-Oriented Programming I & Object-Oriented Programming II
- Introduction to Computer Systems
- Discrete Structures
- Organization of Programming Languages
- Algorithms
- Introduction to Machine Learning
- Introduction to Data Science

Mathematics – Statistics Track 2022-2025

- Applied Statistics & Probability I & II
 - Introduction to Linear Algebra & Applications of Linear Algebra
 - Computational Methods
 - Calculus I, II, II & Advanced Calculus I & II
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Programming Skills:

- **Languages (Sorted by proficiency):**
 - **Advanced:** Java, C, R, Python
 - **Intermediate:** OCaml, Rust, Matlab, SAS
 - **Beginner:** MIPS Assembly, HTML, CSS, JavaScript
- **Technologies:** Git, SQLite