Anya Martin

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Education

Ph.D in Informatics, advised by Dr. Cindy Kaiying Lin
Penn State University College of IST

State College, PA, USA
2023-

M.S in Computer Science
UCLA Samueli College of Engineering

Los Angeles, CA, USA
2021-2023

B.S.E in Computer Science, *summa cum laude*
University of Michigan, College of Engineering

Ann Arbor, MI, USA
2018-2021

Relevant coursework: Statistical Machine Learning, Natural Language Processing, Feminist STS, Sociological Theory, Historiography of Science and Technology

Research Experience

Research Assistant under Prof. Laura Balzano (University of Michigan)   2021
-   Used MATLAB to explore reconstruction criteria for matrix completion under biased sampling
-   Coordinated with two other students and parallelized tests for quick GPU computation

Research Assistant under Prof. Jeff Fessler (University of Michigan)   2020-2021
-   Improved BCD-NET, a Julia-based machine learning tool for reconstructing MRI scans.
-   Implemented Julia GPU processing via CUDA.

Research Assistant within the Undergraduate Research Opportunity Program   2019-2020
-   Worked under Prof. Fessler to implement MIRT, an MRI reconstruction module, in Julia.
-   Coordinated with three other assistants and advised them in their work.
-   Performed code peer reviews and helped merge assistants' code into a single cohesive module.

Teaching Experience

Teaching Assistant, UCLA Computer Science   2022-2023
-   Ran a discussion section for CS31: Introduction to Computer Science I

Teaching Assistant under Prof. Dwayne Joseph (Morehouse College)   2021
-   Designed several introductory Julia notebooks for an introduction to data science
-   Taught a Julia primer during the Morehouse NuMaSS summer program

Awards, Fellowships, Grants

Penn State University Graduate Fellowship	2023-2024
UCLA Graduate Fellowship	2021-2022
Tau Beta Pi Engineering Honor Society	2019-2021
James B Angell Scholar, University of Michigan	2018-2020
Dean's List, University of Michigan	2018-2020
William J. Branstrom Freshman Prize	2019