

Erin Song

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EDUCATION

PhD Student 09/2025 – Present

Northeastern University - Boston

Relevant Coursework: Personal Health Interface Design and Development, Theoretical Foundations in Personal Health Informatics, Evaluating Health Technologies

MS in Computer Science 09/2023 – 02/2025

University of Massachusetts - Amherst

Relevant Coursework: Fixing Social Media, Algorithms for Data Science, Artificial Intelligence, Machine Learning, Advanced Algorithms, Game Programming, Theory & Practice of SWE, Systems for Deep Learning

BS in Computer Science 09/2019 – 12/2022

University of Massachusetts - Amherst

Relevant Coursework: Computer Graphics, Social Issues in Computing, Artificial Intelligence, Practice and Applications of Data Management, Programming with Data Structures, Web Programming

PROFESSIONAL EXPERIENCE

Research Assistant 09/2024 – present

University of Massachusetts - Amherst

- Executed an individual research study for Digital Public Infrastructure Lab on collecting data on personal mobile phone usage
- Designed online surveys through Qualtrics and distributed them efficiently through scheduled text messages
- Engaged with the community and contributed ideas for other researchers' personal studies

Technology & Innovation Intern 05/2023 – 08/2024

Siemens

- Helped improve productivity of Siemens developers by writing an automatic documentation generator
- Wrote VSCode extension for Siemens developers so they can easily use the automatic documentation generator
- Processed relevant data for car simulations and identified latency between the simulation and received data
- Provided insight on transferring the simulation to Omniverse and creating an extension to synchronize real-time data
- Collaborated with the team to understand the capabilities of Omniverse

Research Assistant 12/2022 – 05/2023

University of Massachusetts - Amherst

- Worked with two different Labs in their early stages of research at UMass: EQUATE (ML Fairness) and HCI-VIS (Accessibility Features)
- Read and organized papers to further research and writing the Related Works section
- Understanding theory and writing up proofs for important base cases to help support larger claims

Support Team and Data Analyst Intern 2020 – 2021

TriNetX

- Analyzed data with co-workers to create new queries to help advance company goals
- Executed queries and created tables in Power BI to expand on past conclusions
- Summarized findings from queries and used Power BI functions to create clear visuals that helped guide ideas for future queries

Intern 07/2018 – 08/2018

Fred Hutchinson Cancer Research Center

- Processed large scale data with R by writing mathematical functions to create graphs and queries
- Determined if the viral load was sufficient for patients based on several results
- Gave a final presentation that summarized data for HIV patients