Shira Michel

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RESEARCH INTERESTS

Human-Centered AI, Human-Computer Interaction, Human-AI Collaboration, Responsible AI

EDUCATION

Northeastern University, Khoury College of Computer Sciences　　　　　　　　　　　　　　Portland, Maine
Doctor of Philosophy in Computer Science　　　　　　　　　　　　　　　　　　　　　　Expected April 2028
Advisors: Drs. Mahsan Nourani and Christo Wilson
Honors and Awards: Khoury Distinguished Fellowship (September 2023 - August 2024)
Relevant Coursework: Statistical Methods in CS, Empirical Methods in HCI

Northeastern University, Khoury College of Computer Sciences　　　　　　　　　　Boston, Massachusetts
Master of Science in Computer Science　　　　　　　　　　　　　　　　　　　　　　　August 2025
GPA: 3.83/4.00

Arcadia University　　　　　　　　　　　　　　　　　　　　　　　　　　　Glenside, Pennsylvania
Bachelor of Science in Data Science; Minor in Computer Science　　　　　　　　　　　　May 2023
GPA: 3.94/4.00 Summa Cum Laude and Departmental Honors
Honors and Awards: Honors Program, Dean's List, Phi Beta Delta Honor Society, Sigma Zeta Award in Computer Science
Thesis: Approaches to analyzing clustered data

REFEREED CONFERENCE PUBLICATIONS

Amplifying Rural Educators' Perspectives: A Qualitative Study of Generative AI's Impact in Rural U.S. High Schools
Shira Michel, Benjamin Taylor, Sabrina Parra, Ed Finn, Joseph B. Wiggins, and Mahsan Nourani
Revise and Resubmit at ACM CHI Conference on Human Factors in Computing Systems (CHI) 2026

"It's not a representation of me": Examining Accent Bias and Digital Exclusion in Synthetic AI Voice Services
Shira Michel, Sufi Kaur, Sarah Elizabeth Gillespie, Jeffrey Gleason, Christo Wilson, and Avijit Ghosh
In Proceedings of ACM Conference on Fairness, Accountability and Transparency (FAccT) 2025

TALKS AND PRESENTATIONS

"It's not a representation of me": Examining Accent Bias and Digital Exclusion in Synthetic AI Voice Services
ACM Conference on Fairness, Accountability, and Transparency (FAccT)　　　　　　　　　　June 2025
CNTR Tech + Society Seminar, Brown University – *Invited Talk*　　　　　　　　　　　　　March 2025
RIET Lab, University of Connecticut – *Invited Talk*　　　　　　　　　　　　　　　November 2024

Generative AI in Rural High Schools: Challenges and Opportunities
40th ACM/SIGAPP Symposium on Applied Computing (SAC)　　　　　　　　　　　　　　April 2025
3rd Annual Computer Science Education Showcase　　　　　　　　　　　　　　　December 2024

Approaches to analyzing clustered data
Arcadia University's Senior Thesis Day　　　　　　　　　　　　　　　　　　　　April 2022
Eastern Pennsylvania and Delaware (EPaDel) Spring Meeting　　　　　　　　　　　　April 2022

A Psychological Distress Analysis on Asians from COVID-19
57th National Collegiate Honors Council (NCHC) Conference　　　　　　　　　　　November 2022
Sigma Xi Symposium at Saint Joseph's University　　　　　　　　　　　　　　　November 2022

Southeastern Pennsylvania Consortium for Higher Education (SEPCHE) Honors Conference   March 2022

EXPERIENCE
Brown University   Providence, Rhode Island
REU in Data Science Research Assistant   June 2022 – July 2022
Advisor: Dr. Bjorn Sandstede
Proof-of-concept unbalanced Sinkhorn's algorithm to increase unique matched criminal sentences between federal databases

Arcadia University   Glenside, Pennsylvania
Office of Institutional Research and Effectiveness Data Science Intern   September 2022 – August 2023
Mentor: Dr. Bridget Miller
Modeled deposit and enrollment likelihoods for prospective students based on key predictors

Undergraduate Research Assistant   May 2021 – August 2023
Advisors: Drs. Weihong Ni and Yanxia Jia
Modeled how the psychological distress level of Asians developed during a 19 month period during the COVID pandemic

Molzana   London, United Kingdom (Remote)
Data Analyst Intern   January 2021 – April 2021
Mentor: Matthew Nixon
Interpreted and performed audience, acquisition, behavior, and conversion data analysis and visualization dashboards

SKILLS
Programming Languages: Python, R, Java, SQL, WebDev (JavaScript, HTML, CSS), SAS
Research Methods: Controlled Experiments, Experimental Design, Survey Design, Semi-Structured Interviews, Thematic Analysis, Statistical Analysis, Machine Learning (scikit-learn and TensorFlow basics)

TEACHING EXPERIENCE
Northeastern University   Portland, Maine
Artificial Intelligence for Human-Computer Interaction, Teaching Assistant   September 2025 – December 2023

Arcadia University   Glenside, Pennsylvania
Introduction to Data Science with R, Teaching Assistant   September 2022 – December 2022
Learning Resource Network, Advanced Tutor   August 2021 – August 2023
Problem-Solving with Algorithms and Programming II, Teaching and Lab Assistant   March 2021 – June 2021

STUDENT MENTORING
Northeastern University   Portland, Maine
Cherry Pham, Graduate Researcher   November 2025 – Present
Sara Ahmed, Undergraduate Researcher   January 2025 – June 2025
Lien Nguyen, Undergraduate Researcher   July 2024 – December 2024

VOLUNTEER AND SERVICE ACTIVITIES
Code to PhD Application Support Mentorship Program   Remote
Mentor   September 2025– Present

ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2025   Athens, Greece
Student Volunteer   June 2025

Northeastern University   Boston, Massachusetts

Khoury College PhD Program Admissions Student Reviewer   December 2023 – Present

Accountable Algorithms Reading Group   September 2023 – Present

Khoury PhD Women's Group   September 2023 – Present

Arcadia University   Glenside, Pennsylvania

SEPCHE Honors Conference Assistant   February 2023 – March 2023

19th International Conference on Computability and Complexity in Analysis (CCA2022) Assistant   May 2022