

Shira Michel
michel.sh@northeastern.edu | shiramichel.github.io

RESEARCH INTERESTS

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

EDUCATION

Northeastern University, Khoury College of Computer Sciences Portland, ME
Doctor of Philosophy in Computer Science Expected May 2028

Advisor: Drs. Mahsan Nourani

Relevant Coursework: Statistical Methods in CS, Empirical Methods in HCI, Web Development

Northeastern University, Khoury College of Computer Sciences Boston, MA
Master of Science in Computer Science August 2025

GPA: 3.9/4.0

Arcadia University Glenside, PA
Bachelor of Science in Data Science; Minor in Computer Science May 2023

GPA: 3.9/4.0

Thesis: Approaches to analyzing clustered data

EXPERIENCE

Northeastern University Boston, MA and Portland, ME
Graduate Research Assistant September 2023 – Present

Advisor: Drs. Mahsan Nourani and Christo Wilson

Centers community-centered perspectives on human-AI collaboration, examining how community-specific values, relationships, and needs shape AI use and impact

Brown University Providence, RI
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 sentencing between federal databases

Arcadia University Glenside, PA
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 the development of the psychological distress among Asians during 19 months of the COVID-19 pandemic

Molzana London, UK (Remote)
Data Analyst Intern January 2021 – April 2021

Mentor: Matthew Nixon

Interpreted and performed audience acquisition, behavior, and conversion data analysis and visualization dashboard

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 Díaz, Joseph B. Wiggins, Ed Finn, and Mahsan Nourani

In Proceedings of 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

PRESS AND MEDIA

Khoury News: [“For third straight year, Khoury researchers set new publishing benchmark at CHI”](#) 2026
WIRED: [“Summon This AI Agent by Speaking Its Wake Word Mid-Phone Call”](#) 2026

TALKS AND PRESENTATIONS

Amplifying Rural Educators’ Perspectives: A Qualitative Study of Generative AI’s Impact in Rural U.S. High Schools
ACM CHI Conference on Human Factors in Computing Systems (CHI) April 2026
CRA-WP Grad Cohort Lightning Talk March 2026
ACM/SIGAPP Symposium on Applied Computing (SAC) April 2025
Annual Computer Science Education Showcase December 2024

“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

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
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

AWARDS AND HONORS

ACM FAccT Doctoral Colloquium 2026
ACM CHI Student Mentoring Program: Building a Research Cohort 2026
CRA-WP Grad Cohort Fellow 2026
SIGAPP Student Travel Award Program (~\$850) 2025
Khoury Distinguished Fellowship, Northeastern University (~\$60,000) 2023 – 2024
Sigma Zeta Award in Computer Science, Arcadia University 2023
Summa Cum Laude with Departmental Honors, Arcadia University 2023
Phi Beta Delta Honor Society, Arcadia University 2020
Campus Achievement Award, Arcadia University (~\$6,600) 2020 – 2023
AU Promise Scholarship, Arcadia University (~\$9,000) 2020 – 2023
Arcadia University Grant, Arcadia University (~\$16,500) 2019 – 2023
Achievement Scholarship, Arcadia University (~\$16,000) 2019 – 2023
Distinguished Scholarship, Arcadia University (~\$100,000) 2019 – 2023
Sydney Fluck “Syd’s Kids” Scholarship (~\$1,500) 2019
Innovation and Creativity Award, Rochester Institute of Technology 2018

SKILLS

Programming Languages: Python, R, Java, SQL, WebDev (JavaScript, HTML, CSS), SAS

Software: GitHub, Git, Jupyter Notebook, RStudio, VS Code, Excel, MongoDB, Figma, Miro, AWS, Google Cloud

Research Methods: Controlled Experiments, Experimental Design, Wizard-Of-Oz, Survey Design, Semi-Structured Interviews, Thematic Analysis, Grounded Theory, Statistical Analysis, Machine Learning (scikit-learn and TensorFlow basics)

SERVICE ACTIVITIES

Organizer

Roux Institute's HDI Team Bi-weekly Meeting	2026
Roux Institute's HDI Team Social	2025
Khoury VIS Lab Retreat	2024 – Present
SEPCHE Honors Conference	2023
International Conference on Computability and Complexity in Analysis (CCA2022)	2022

Reviewer

ACM CHI Conference on Human Factors in Computing Systems	2026
--	------

Volunteer

Code to PhD Application Support Mentorship Program Mentor	2025 – Present
ACM Conference on Fairness, Accountability, and Transparency (FAcCT) Student Volunteer	2025
Khoury College PhD Program Admissions Student Reviewer	2024

TEACHING EXPERIENCE

<i>Northeastern University</i>	Portland, ME
Intensive Foundations of Computer Science, Teaching Assistant	September 2025 – December 2025
Artificial Intelligence for Human-Computer Interaction, Teaching Assistant	September 2025 – December 2025

<i>Arcadia University</i>	Glenside, PA
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

<i>Northeastern University</i>	Portland, ME
Cherry Pham, Graduate Researcher	November 2025 – January 2026
Sarah Ahmed, Undergraduate Researcher	January 2025 – June 2025
Lien Nguyen, Undergraduate Researcher	July 2024 – December 2024