

Erica Mi

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EDUCATION

Chicago, IL
2025 - Present

University of Chicago | Physical Sciences Division
Ph.D. Computer Science
Advisor: Mina Lee

University Park, PA
2021 - 2022

Penn State University | Schreyer Honors College | GPA: 3.94
M.S. Informatics
Advisor: Fred Fonseca

2019 - 2022

B.S. Information Sciences and Technology (Integration and Application)

2019 - 2022

B.A. Telecommunications

RESEARCH INTERESTS

I am interested in studying human-computer interaction within social and organizational informatics, focusing on how technologies affect communities. I aim to explore AI ethics, policy work, and socio-technical systems across technology, business, and society. While my background is primarily in social science research, I am also interested in analyzing social phenomena through sentiment analysis, online behaviors, and ethnographic studies in future research.

Keywords: Social Informatics, User-Centered Design, Human-Centered Interaction, Information Visualization

AWARDS

Aug 2024	NSF CISE CSGrad4US Fellowship
Dec 2022	College of Information Sciences and Technology Student Marshal, Penn State
Sep 2022	CMD-IT/ACM Richard Tapia Conference, Penn State
Jul 2022	KPMG Ideation Challenge (KIC) Nationals; <i>Copenhagen, Denmark</i>
Mar 2022	Education Abroad Back to the World Scholarship; <i>Athens, Greece; Pforzheim, Germany</i>
Jun 2021	Honora and William Jaffe Scholarship, Penn State
Mar 2021	John Sr. and Kimlyn Patishnock Undergraduate Research Award, Penn State Libraries
Oct 2020	Grace Hopper Conference, Penn State
Oct 2020	Nittany Ai Challenge 2020 Finalist
Sep 2020	Spark Fellow, Penn State
Sep 2020	Student Engagement Network Remote Innovation Grant, Penn State
Sep 2019	Schreyer Honors College (SHC) Academic Excellence Scholarship, Penn State

ACADEMIC WORKS

[Google Scholar](#)

Danica E. White, **Erica Mi**. 2023. "[Examining BIPOC Student Barriers in Undergraduate Research](#)." Scholarship and Practice of Undergraduate Research 7 (2): 35-38.

Erica Mi. "[Immersive Reality Capabilities of Relieving Hiraeth](#)." Penn State University Master Thesis. Dec 2022. *Under submission JASIST*.

Erica Mi. “[Supporting COVID-19 PPE Allocation through Interactive Visual Dashboard](#).” Penn State University Libraries. May 2021.

PROFESSIONAL EXPERIENCE

New York, NY

Oct 2023 - Oct 2025

Jun 2022 - Aug 2022

EY-Parthenon

Associate

Summer Associate

- Supported 3 Fortune 500 companies on multi-billion dollar deals on app migration, IT PMO, IAM, costing, contracts
- Delivered ~20 buy-side diligence reports evaluating IT governance, applications, spend, organization, and network

Lexington, MA

Mar 2023 - Sep 2023

MIT Lincoln Laboratory

Cybersecurity Operations Research Intern (Group 57)

- Monitored cybersecurity data by creating 2 SAP dashboards to identify threats and vulnerabilities for senior leads
- Automated vulnerability identification and assignment with the Jira API for streamlined project administration

Durham, NC

May 2021 - Aug 2021

IBM

Project Manager Intern

- Orchestrated quarter retrospective with feature squads through visual Mural diagrams to drive 4 project proposals
- Proposed data hygiene cleanse to reduce file duplication by 20% and implemented an intuitive data hierarchy system

Raritan, NJ

Jun 2020 - Aug 2020

Johnson & Johnson

Data Analytics Intern

- Detected device performance trends through DataRobot to find application pain points and save 3 hours daily
- Extracted data regarding specific ticket metrics from data lakes through basic SQL queries on Cloudera Impala

TEACHING

LA - Undergraduate Learning Assistant; IA - Graduate Instructional Assistant

Spring 2022	Instructor	IST 297H Conversations with Interactive Media ; Co-Instructor
Fall 2022	IA	IST 402 Emerging Issues and Technologies ; Dr. Fred Fonseca
Fall 2022	IA	IST 140 Introduction to Application Development ; Ben Hellar
Spring 2022	IA	IST 402 Micro Frontend Development ; Bryan Ollendyke
Spring 2022	IA	IST 250 Introduction to Web Design and Development ; Peggy Fisher
Fall 2021	IA	IST 402 Emerging Issues and Technologies ; Dr. Fred Fonseca
Fall 2021	IA	IST 402 Web Components Development ; Bryan Ollendyke
Fall 2021	IA	IST 230 Language, Logic, and Discrete Mathematics ; Kevin Sylvester

Spring 2021	LA	IST 402 Emerging Issues and Technologies; Dr. Fred Fonseca
Spring 2021	LA	IST 402 Web Components Development; Bryan Ollendyke
Fall 2020	LA	IST 230 Language, Logic, and Discrete Mathematics; Kevin Sylvester
Spring 2020	LA	IST 110 Introduction to Information, People And Technology; Dr. Alison Murphy

VOLUNTEERISM AND ORGANIZATIONS

University Park, PA <i>Oct 2020 - May 2022</i>	Students Teaching Students Instructor
Durham, NC <i>Sep 2020 - Dec 2022</i>	Rewriting the Code <i>Member</i>
University Park, PA <i>Apr 2020 - May 2022</i>	College of Information Sciences and Technology IST Diplomat Director Student Government Gamma Tau Phi President
University Park, PA <i>Sep 2019 - May 2022</i>	Women in Information Sciences and Technology Student Mentor
University Park, PA <i>Sep 2019 - May 2022</i>	International and Multicultural Association of Schreyer Scholars (IMASS) Student Mentor
University Park, PA <i>Sep 2019 - Jan 2022</i>	Engineering-Consulting Collaborative Student Advisor President
Philadelphia, PA <i>Oct 2020 - Dec 2020</i>	No Limits Leadership Women in Tech Member
Raritan, NJ <i>Jul 2020 - Aug 2020</i>	capracare Credo Chair (Johnson & Johnson Internal Initiative)
University Park, PA <i>Aug 2019 - Jan 2020</i>	charity: water - Leadership Jumpstart (Racing Towards Clear Waters) Community Initiative Lead

SKILLS

<i>Certifications</i>	IBM (Agile Explorer; Enterprise Design Thinking) LinkedIn (Excel 2019 Essential Training, Microsoft Project, IT Security Foundations) DataRobot (Essentials, Time Series Modeling) Google Analytics Individual Qualification CITI Program (Human Subjects Research)
<i>Software Programs</i>	Office365, Google Suite, Tableau, Power BI, SPSS, NVivo
<i>Languages</i>	Java, MySQL, R, Python