KERI MALLARI

+1-917-907-1118 | kmallari@uw.edu | www.keri.xyz | in LinkedIn | ⏻ Github

SKILLS

- **Programming Languages/Technologies:** Python, R, SQL, Linux, JS, TS, AWS, Docker
- **Data and Analytics Packages:** Pandas, Numpy, Scipy, PyTorch, Scikit-learn, Transformers
- **Web Technologies:** React, Next.js, Node, Tailwind, JavaScript, TypeScript, Tailwind, PostgreSQL, Flask

EXPERIENCE

- **Microsoft, AI for Good Lab** *May 2024 - August 2024*
Applied Science Intern Redmond, WA
  - Trained a proprietary deep learning model for a classification task, employing various hyperparameter optimization and cross-validation techniques to rigorously evaluate and improve performance metrics.
  - Spearheaded the design and implementation of a complementary dataset, leveraging key feature and data augmentation techniques to enhance model performance and robustness on unseen data.
  - Delivered findings to executive-level stakeholders, highlighting key improvements in feature thresholds and data distribution and outlining future steps for further improvement.

- **Microsoft Research** *May 2022 - August 2022*
Research Intern Redmond, WA
  - Analyzed survey data, utilizing Python and R for data cleaning, analysis, and visualization.
  - Performed non-parametric aligned rank transform analysis on survey results to evaluate prototype performance, focusing on user preference and perceived ease of effort and performance
  - Conducted thematic analysis on data from interviews and observations to identify key insights.

- **Twitch (Amazon Subsidiary)** *July 2021-August2021*
Applied Science Intern San Francisco, CA
  - Conducted end-to-end machine learning research, including building an analytics pipeline using SQL and Python to generate actionable insights for content creators.
  - Leveraged proprietary embedding models and clustering techniques to analyze over 1,000 chat streams, identifying recurring topics and conversational trends to enhance audience engagement.
  - Presented findings to cross-functional teams across design, research, data science, and VP levels to drive data-informed decision-making.

- **Microsoft Research** *June 2019 - August 2019*
Research Intern Redmond, WA
  - Designed and executed a study to assess user interactions with simulated algorithmic models.
  - Analyzed qualitative data through thematic analysis to understand how user expertise influences AI-assistant effectiveness.
  - Utilized R and Python for quantitative analysis to evaluate model performance and user response.

- **Microsoft Research, Data Science Summer School** *July 2017- August 2017*
Student New York, NY
  - Analyzed student trajectory in the NYC public school system by calculating student performance based on test results, and then tracking individual student performance over the years.
  - Developed predictive models for dropout rates of students in the system and acceptance rates of students in the NYC high school application process.

EDUCATION

- **University of Washington** *2019 - Present*
PhD, Human Centered Design and Engineering Seattle, WA

- **CUNY - Lehman College** *May 2019*
BS in Computer Science, BA in Mathematics Bronx, NY

[S.2] **Mallari** & Zachry (2025). **Developing A Constructive Feedback Exchange System for Live Stream Communities**. In Preparation for Submission.

[S.1] **Mallari**, Adebayo, Inkpen, Wells, Gordo, & Tan (2025). **Generative Models, Humans, Predictive Models: Who Is Worse at High-Stakes Decision Making?**. Manuscript Submitted For Publication.

[J.2] Tang, Inkpen, Junuzovic, **Mallari**, Wilson, Rintel, Cupala, Carbary, Sellen, Buxton (2023) **Perspectives: Creating Inclusive and Equitable Hybrid Meeting Experiences**. *In Proceedings ACM Human-Computer Interaction 7, CSCW2, Article 351 (October 2023), 25 pages.* DOI: 10.1145/3610200

[J.1] Inkpen, Chappidi, **Mallari**, Nushi, Ramesh, Michelucci, Mandava, Veprek, & Quinn(2023). **Advancing Human-AI Complementarity: The Impact of User Expertise and Algorithmic Tuning on Joint Decision Making**. *ACM Transactions on Computer-Human Interaction 30, 5, Article 71 (October 2023), 29 pages.* DOI: 0.1145/3534561

[C.2] **Mallari**, Williams, & Hsieh (2021). **Understanding Analytics Needs of Video Game Streamers**. *In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21). Association for Computing Machinery, New York, NY, USA, Article 337, 1–12.* DOI: 10.1145/3411764.3445320

[C.1] **Mallari**, Inkpen, Johns, Tan, Ramesh & Kamar (2020). **Do I Look Like a Criminal? Examining how Race Presentation Impacts Human Judgement of Recidivism**. *In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20). Association for Computing Machinery, New York, NY, USA, 1–13.* DOI: 10.1145/3313831.3376257

HONORS AND AWARDS

• **Doctoral Student Research Grant ($750)**	*2025*
• **Twitch Research Fellow ($10,000)**	*2021*
• **CRA URMD Grad Cohort Workshop Scholarship ($1,400)**	*2020*
• **Microsoft Grace Hopper Conference Scholar ($1,400)**	*2019*
• **AnitaB.org Grace Hopper Conference Scholar ($1,400)**	*2018*
• **Macaulay Honors College Scholarship ($40,000**	*2015-2019*

TEACHING EXPERIENCE

• **Teaching Assistant**   *2022-2025*
UW, Information School
  ◦ Informatics Project Capstone (INFO 490/491)

• **Instructor of Record**   *2024*
UW, Human Centered Design and Engineering
  ◦ Web Technologies (HCDE 438)

• **Teaching Assistant**   *2020-2023*
UW, Human Centered Design and Engineering
  ◦ Physical Prototyping (HCDE 539)
  ◦ Designing for Behavior Change (HCDE 538)
  ◦ UX Prototyping (HCDE 439)

• **Teaching Assistant**   *2016-2017*
CUNY Lehman College, Computer Science
  ◦ Programming Methods I (CMP 167)
  ◦ Programming Methods II (CMP 168)

• **Teaching Assistant**   *2016-2017*
CUNY Lehman College, Mathematics
  ◦ Foundations of Data Science (MAT 128)

ACADEMIC SERVICE

• **Conference Web Chair** , ACM CSCW '22, '23
• **Conference Student Volunteer**, ACM CHI Play '20, '21, ACM CSCW '18
• **Conference Paper Reviewer**, ACM CHI '21, '22', ACM CSCW '20, '22
• **UW HCDE PhD Application Reviewer**, 2021, 2023