

KERI MALLARI

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EDUCATION

University of Washington, College of Engineering

September 2019 - Present

Ph.D., Human Centered Design and Engineering

Prosocial Computing Group. Advisor: Gary Hsieh

CUNY Lehman College

September 2015 - June 2019

B.S. Computer Science

B.A. Mathematics

EMPLOYMENT EXPERIENCE

Microsoft Research

May - Aug 2022

Research Intern. Supervisor: Kori Inkpen, Sasa Junuzovic, John Tang. Analyzed qualitative results from user studies, and quantitative results from survey data. Developed features on Unity to improve spatial experience in hybrid meetings for remote, in-person, and VR endpoints.

Microsoft Research

Feb - Apr 2022

Software Engineer. Urban Innovation Lab. Supervisor: Asta Roseway, Madeleine I.G. Daepf. Develop dashboards using mapbox.js and RShiny to visualize and narrate the air quality of neighborhoods in Chicago, and to compare the different experiences of these neighborhoods.

Twitch

July 2021 - Jan 2022

Research Science Intern. Supervisor: Sanjay Kairam. Developing creator analytics using streamers' text data and evaluating performance metrics across various NLP approaches.

Twitch

July 2021 - Jan 2022

Research Science Intern. Supervisor: Sanjay Kairam. Analyzed trends in streamers' text data. Designed a prototype for chat analytics, and ran user studies to extract insights for developing chat analytics.

Microsoft Research

June - Sep 2019

Research Intern. Adaptive Systems and Interaction Group. Supervisors: Kori Inkpen, Besmira Nushi. Investigated human-AI complementarity in high-stakes decision making scenario.

Microsoft Research

June - Dec 2018

Research Collaborator. Adaptive Systems and Interaction Group. Supervisor: Kori Inkpen. Designed and ran a study to examine the impact of different presentations of racial information on human judgment in the context of recidivism.

Microsoft Research NY

June - Aug 2017

Research Student. Data Science Summer School. Supervisors: Jake Hofman, Sid Sen, Dan Goldstein. Analyzed student trajectory in the NYC public school system by calculating student performance based on test results, and tracking individual student performance.

PUBLICATIONS

Inkpen, K., Chappidi, S., **Mallari, K.**, Nushi, B., Ramesh, D., Michelucci, P., ... & Quinn, G. (2022). Advancing Human-AI Complementarity: The Impact of User Expertise and Algorithmic Tuning on Joint Decision Making. *Transactions on Computer Human Interaction*.

Mallari, K., Williams, S., & Hsieh, G. (2021, May). Understanding Analytics Needs of Video Game Streamers. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (pp. 1-12).

Mallari, K., Inkpen, K., Johns, P., Tan, S., Ramesh, D., & Kamar, E. (2020, April). 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 (pp. 1-13).

PEER REVIEWED WORKSHOPS & POSTERS

Mallari, K., Williams, S., & Hsieh, G. (2020, April). Information Needs of Streamers. Be Part Of It: Spectator Experience in Gaming and eSports Workshop at CHI 2020

Chawla, A., Futran, D., Liriano, R., **Mallari, K.**, Mertil, F., Radinsky, I., Schuster, R., Thao, T. (2017, October). Student Trajectories and School Choice in the New York City Public School System. MIT CODE 2017

SKILLS

Software: React, Node.js, Express, JavaScript, HTML, CSS, Jekyll

Data: R (tidyverse, dplyr, ggplot2), Python (sklearn, gensim)

Design: AdobeXD, Figma

Qualitative Methods: Interview, Ethnography, Usability Testing, Grounded Theory, Thematic Analysis

Quantitative Methods: Survey Design, Experiment Design, Statistical Modeling, Machine Learning, NLP

AWARDS AND HONORS

Twitch Research Fellow (\$10,000)	2021
CRA URMD Grad Cohort Workshop Scholar (\$1,400)	2020
Microsoft Grace Hopper Conference Scholar (\$1,400)	2019
Anita Borg Grace Hopper Conference Scholar (\$1,400)	2018
Macaulay Honors Scholar (\$40,000)	2015 - 2019

TEACHING EXPERIENCE

Teaching Assistant , University of Washington INFO Project Capstone (Undergraduate)	Winter '22 '23, Spring '22 '23
Teaching Assistant , University of Washington HCDE Physical Prototyping (Graduate)	Winter 2021, Fall 2021
Designing for Behavior Change (Graduate)	Spring 2021
UX Prototyping (Undergraduate)	Fall '20, '22
Teaching Assistant , CUNY Lehman College CS Programming Methods I & II (Undergraduate)	2016-2017
Teaching Assistant , CUNY Lehman College MATH Foundations of Data Science (Undergraduate)	2016-2017

ACADEMIC SERVICE

Web Chair, ACM CSCW '22 '23

Student Volunteer, ACM CHI Play '20 '21, ACM CSCW '18

Reviewer, ACM CHI '21 '22, ACM CSCW '20 '22

HCDE PhD Application Reviewer, Winter '21 '23