

MEREDITH MOORE, PH.D.

Assistant Professor of Computer Science

@ meredith.moore@drake.edu

309-212-9106

merriekay.com

@mertheosa

linkedin.com/in/mkmoore7

EXPERIENCE

Assistant Professor of Computer Science

Drake University

August 2020 – present [3 years] Des Moines, IA

- Taught courses covering **Introduction to Computer Science, Machine Learning, Human-Computer Interaction, the Computer Science Capstone and Independent Studies.**
- Pursued impactful service commitments to **broaden the participation** of historically underrepresented groups in computing.
- Utilized cutting-edge **pedagogical research** to implement strategies to ensure **equitable participation.**
- Led **undergraduate research groups** involving 20+ students in projects centered around Human Centered Machine Learning.
- Served as an **academic advisor** for 30+ students a semester
- Mentored undergraduate students** who are part of historically underrepresented groups

UX Researcher

GoDaddy

June 2019 – August 2020 [1+ years] Tempe, AZ

- UX Researcher II [April 2020 – August 2020]:** I transitioned to FTE and Synthesize insights for an entire organization responsible for 15 different products within GoDaddy—specifically GoDaddy Pro.
 - Collaborated with interdisciplinary stakeholders to understand the research need—PMs, PMMs, UX Designers, Business Intelligence, etc.
 - Designed a wide variety of qualitative and quantitative studies to answer research questions.
 - Synthesized compelling and creative insights for multiple products.
 - Communicated findings to a variety of audiences, from small teams to executives.
- UX Researcher I [August 2019 – April 2020]:** Converted from internship to a part-time researcher position supporting all 5 Productivity Products at GoDaddy.
- UX Research Intern [June 2019 – August 2019]:** Designed studies to generate insights into how GoDaddy customers use our products. Interacted with 2081 customers on 4 different products.

Graduate Research Assistant, Ph.D. Student

Arizona State University, Dr. Sethuraman Panchanathan

August 2015 – May 2020 Tempe, AZ

- Dissertation: "I'm Having Trouble Understanding You Right Now": A Multi-Dimensional Evaluation of the Intelligibility of Dysphonic Speech**

PROJECTS

The Blind Date | Accessible Disc Golf Voice Disorder Need-Finding | Estimating Intelligibility of Voice Disorder Speech | Equitable Participation

EDUCATION

Ph.D. in Computer Science

Arizona State University (GPA: 3.90)

Aug 2015 - May 2020 Tempe, AZ

Thesis title: Improving the Intelligibility of Speech from Individuals with Voice Disorders

HCI Accessibility Machine Learning

B.Sc. in CS and Neuroscience

Drake University

Sept 2011 - May 2015 Des Moines, IA

Computer Science Neuroscience

RESEARCH INTERESTS

Machine Learning Human-centered AI
Accessibility HCI Speech Processing
a11y Assistive Technology

MOST PROUD OF

- NSF Graduate Research Fellow**
\$192,000 fellowship recognizing outstanding graduate students
- Division 1 Volleyball**
Student athlete at Drake University
- Women in Computer Science and Math**
Founder, former president, and now faculty mentor of Drake's women in CS.

SKILLS

Machine Learning

Python TensorFlow Scikit Learn
PyTorch Java C++ Data Science

Human-Computer Interaction

Usability Testing Quantitative Research
Qualitative Research Axure UX UXR
Need-Finding Surveys Focus Groups

Project Management

Interdisciplinary Collaboration
Research Impact Driven Data Analysis
Market Research Data Driven Decisions

PUBLICATIONS

Book Chapters

- Moore, Meredith (2021). *Speech Recognition for Individuals with Voice Disorders*. Ed. by Troy McDaniel and Xueliang Liu. Cham: Springer International Publishing, pp. 115–144.
- Glattke, Kaycee et al. (2019). *Design of an Enhanced Disc Golf Game to Facilitate Players with Visual Impairments*.
- Panchanathan, Sethuraman et al. (2018). *Computer Vision for Augmentative and Alternative Communication*. Elsevier, pp. 211–248.

Conference Proceedings

- Moore, Meredith, Piyush Papreja, et al. (2020). “UncommonVoice: A Crowdsourced Dataset of Dysphonic Speech”. In: *Proc. Interspeech 2020*, pp. 2532–2536.
- Moore, Meredith, Corey Heath, et al. (2019). “The Blind Date: Improving the Accessibility of Mobile Dating Platforms for Individuals with Visual Impairments”. In: *Global SIP 2019 - Proceedings of the 7th Global conference on Signal and Information Processing*. Institute of Electrical and Electronic Engineers.
- Moore, Meredith, Michael Saxon, et al. (2019). “Say What? A dataset for exploring the error patterns that two ASR engines make”. In: *Proc. of Interspeech, 2019*.
- Moore, Meredith, Hemanth Venkateswara, and Sethuraman Panchanathan (2018). “Whistle-blowing ASRs: Evaluating the Need for More Inclusive Speech Recognition Systems”. In: *Proc. Interspeech 2018*, pp. 466–470.
- Moore, Meredith and Sethuraman Panchanathan (2016). “TranslatAble: Giving individuals with complex communication needs a voice through speech and gesture recognition”. English (US). in: *ASSETS 2016 - Proceedings of the 18th International ACM SIGACCESS Conference on Computers and Accessibility*. Association for Computing Machinery, Inc, pp. 321–322. DOI: [10.1145/2982142.2982197](https://doi.org/10.1145/2982142.2982197).

REFERENCES

Dr. Sethuraman Panchanathan

@ National Science Foundation, Director

✉ spanchan@nsf.gov

Dr. Troy McDaniel

@ Arizona State University

✉ troy.mcdaniel@asu.edu

Dr. Timothy Urness

@ Drake University

✉ tim.urness@drake.edu

Cassie Mally

@ GoDaddy

✉ cmally@godaddy.com