

Jeremy Zhengqi Huang

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Overview

Working at the intersection of Human-Computer Interaction and accessibility, I study and design novel methods and systems that elevate human experience by enabling accessible interactions with complex real- and digital-world information.

Keywords: Human-Computer Interaction, Accessibility, Human-AI Interaction, Cognitive Science, Design

Education

- 2024- **University of Michigan** – Ann Arbor, MI
Ph.D., Computer Science & Engineering
Advisor: Prof. Dhruv Jain.
- 2021 – 2023 **University of Michigan** – Ann Arbor, MI
M.S. in Information (Specialization: Human-Computer Interaction)
Thesis: Understanding and Augmenting Debates on Reddit
Thesis advisor: Prof. Eytan Adar *GPA: 3.93.*
- 2016 – 2021 **The Ohio State University** – Columbus, OH
B.S. in Data Analytics and Psychology *with Research Distinction*
Thesis: A Call for Sustainable Living: Leveraging Cognitive Factors to Improve Sustainability Education
Thesis advisor: Prof. Brittany Shoots-Reinhard. *GPA: 3.837.*

Professional and Research Experience

- 2022 – Present **Accessibility Lab, University of Michigan** – Ann Arbor, MI
Graduate Research Assistant
Advised by Prof. Dhruv Jain.
- 2021 – 2023 **Shapiro Design Lab at the University of Michigan Library** – Ann Arbor, MI
Design Researcher, Disability Culture
Mentored by Dr. Justin Schell
- 2022 **The Coca-Cola Company** – Atlanta, GA
Technical Consumer Research Intern
- 2020-2021 **VECTOR Lab, The Ohio State University** – Columbus, OH
Research Assistant
Mentored by Prof. Jesse Fox

- 2019-2021 **CAIDe Lab, The Ohio State University** – Columbus, OH
Research Assistant
Mentored by Prof. Brittany Shoots-Reinhard
- 2019 **The Coca-Cola Company** – Atlanta, GA
Consumer Data Analytics Intern

Honors and Awards

- 2023 **Best Paper Honorable Mention**, ASSETS 2023
- 2023 **University of Michigan Library Research Grant**, University of Michigan
- 2018-2021 **Veeam Software Endowed Scholarship in Data Analytics**, The Ohio State University
- 2017-2021 **Dean's List**, The Ohio State University
- 2020 **Undergraduate Research Scholarship**, The Ohio State University

Publications

- C.03 **Huang, J.**, Wood, W, Chhabria, H, Jain D. A Human-AI Collaborative Approach for Designing Sound Awareness Systems. In *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '24)*
- C.02 Do, H., Dang, Q., **Huang J.**, and Jain D., 2023, October. AdaptiveSound: An Interactive Feedback-Loop System to Improve Sound Recognition for Deaf and Hard of Hearing Users. In *Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2023)* (pp. 1-13)
- C.01 **Huang J.**, Chhabria, H, and Jain D., 2023, October. "Not There Yet": Feasibility and Challenges of Mobile Sound Recognition to Support Deaf and Hard-of-Haring People. In *Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2023)* (pp. 1-13)

Service

- 2023 **Volunteer**, Michigan AI Symposium, University of Michigan
- 2022-2023 **Student Leadership Board**, Michigan Institute for Data Science, University of Michigan
- 2021 **President**, Cognitive Science Club, The Ohio State University
- 2018-2021 **Student Advisor**, Data Analytics Major, The Ohio State University
- 2020 **Mentor**, Humanities & Cognitive Sciences High School Summer Institute, The Ohio State University
- 2018-2020 **Vice President**, SSPEAK, The Ohio State University

Academic Mentoring

- 2022-Present **Hriday Chhabria**, University of Michigan, Computer Science and Engineering (Undergraduate)
- 2023-2024 **Reyna Wood**, University of Michigan, Computer Science and Engineering (Undergraduate)
- 2023-2024 **Andy Jin**, University of Michigan, Computer Science and Engineering (Undergraduate)
- 2023-2024 **Yuni Park**, University of Michigan, Computer Science and Engineering (Undergraduate)