

Longjie Guo

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Research Interests

human-computer interaction, social computing, human-AI interaction

Education

University of Wisconsin-Madison

Bachelor of Science (B.S.), Computer Sciences, Psychology, GPA: 4.0/4.0

2021 - 2023

Madison, WI

Beijing Language and Culture University

Language Intelligence and Technology

2019 - 2021

Beijing, China

Research Experience

Software and Societal Systems Department, Carnegie Mellon University

05/2022 - Present

Research Intern, Mentor: Amy Ogan, Other PIs: Yuvraj Agarwal, John Zimmerman, Chris Harrison Pittsburgh, PA

Research Experiences for Undergraduates in Software Engineering (REUSE), Project: EduSense

- Designed, implemented, and evaluated a visualization tool for a classroom sensing system to translate in-class behavioral data into educationally relevant insights and improve teaching
- Conducting a user study with university professors to explore the design of social comparison in professional informatics systems
- Assisted in developing a Speed Dating study to identify privacy concerns for classroom sensing systems

Department of Computer Sciences, University of Wisconsin-Madison

01/2022 - Present

Undergraduate Researcher, Mentor: Jacob Thebault-Spieker

Madison, WI

Wisconsin Science and Computing Emerging Research Stars (WISCERS)

- Conducted a quantitative causal analysis using historical user-generated data to evaluate the effects of volunteer microtasking on contribution dynamics in Humanitarian OpenStreetMap [1]
- Running qualitative interviews to understand contextualized use of feedback affordances in social media platforms through politically active users

Interactive Learning and Design Lab, University of Wisconsin-Madison

09/2021 - 05/2022

Undergraduate Research Assistant, Supervisor: Sadhana Puntambekar

Madison, WI

- Designed and implemented user interfaces for a collaborative learning system that supports science writing and experiment in middle school classrooms
- Conducted remote usability testing to evaluate interfaces for a biology simulation

Publications

[1] Yaxuan Yin, **Longjie Guo**, & Jacob Thebault-Spieker. Productivity or Equity? Tradeoffs in Volunteer Microtasking in Humanitarian OpenStreetMap. In submission to ACM CSCW 2023.

Presentations and Posters

“Data Visualization for Multimodal Classroom Sensing”, Research Experiences for Undergraduates in Software Engineering (REUSE) Poster Session, Carnegie Mellon University **08/2022**

Service

Student Volunteer, ACM Computer-Supported Cooperative Work & Social Computing (CSCW) **11/2022**

Skills

Technical: Python, Java, C, C++, JavaScript, React.js, SQL, Machine Learning

User-Centered Research: User Interview, Speed Dating

Quantitative Data Analysis: Python (Numpy, Pandas, Matplotlib), R

User Experience Design: Figma

Languages: Chinese (native), English (advanced)

Awards & Honors

Bryan’s Aspiring Psychology Student Award, Department of Psychology, University of Wisconsin-Madison **06/2022**

Undergraduate Scholarship for Summer Study, University of Wisconsin-Madison **04/2022**

Dean’s List, College of Letters & Science, University of Wisconsin-Madison **12/2021, 05/2022**

National Scholarship, Ministry of Education of China **10/2020**