Longjie Guo

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Research Interests

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

Education

University of Wisconsin-Madison   **2021 - 2023**
Bachelor of Science (B.S.), Computer Sciences, Psychology   Madison, WI
GPA: 4.0/4.0, Selected Coursework: Introduction to Artificial Intelligence, Matrix Methods for Machine Learning, Probability and Information Theory for Machine Learning, Introduction to Operating Systems, Introduction to Algorithms (Honors), Cognitive Psychology, Social Psychology, Cognitive Development, Research Methods (Psychology)

Beijing Language and Culture University   **2019 - 2021**
Language Intelligence and Technology   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)
AI-assisted professional informatics in classroom sensing

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)
Contributor dynamics in volunteer microtasking in Humanitarian OpenStreetMap; Contextualized feedback affordances in social media platforms

Interactive Learning and Design Lab, University of Wisconsin-Madison   **09/2021 - 05/2022**
Undergraduate Research Assistant, Supervisor: Sadhana Puntambekar   Madison, WI
SimSnap: Orchestrating collaborative learning in biology through reconfigurable simulations

Publications

[1] Yaxuan Yin, **Longjie Guo**, & Jacob Thebault-Spieker. Productivity or Equity? Tradeoffs in Volunteer Microtasking in Humanitarian OpenStreetMap. Under Review.

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

Programming & Front-End Development: Python, Java, C, C++, JavaScript, HTML, CSS, React.js
User-Centered Research: User Interview, Speed Dating
Quantitative Data Analysis: Python (Numpy, Pandas, Matplotlib), SQL, 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