

# Rongqi Bei

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## AREAS OF RESEARCH

Human-computer interaction (HCI), AI-powered digital health, and mental health and behavior change technologies

## EDUCATION

### University of Michigan – Ann Arbor

Ann Arbor, MI, United States

Doctor of Philosophy in Information

Aug. 2024 – Current

Master of Science in Information

Aug. 2024

Advisors: Mark W. Newman, Pedja Klasnja

### Duke Kunshan University/Duke University

Kunshan, China/Durham, NC, United States

Bachelor of Science in Data Science

May 2022

Summa Cum Laude degree honor

## PUBLICATIONS

### Conference Papers

#### 🏆 Honorable Mention Award (Top 5% of accepted papers)

“They are Defenseless and Depend on Us to Protect Them”: How Chinese Parents Navigate Privacy for/with Autistic Children

Yihe Wang, [Rongqi Bei](#), Jiaxun Cao, Yiping Tian, Yaxing Yao, Xin Tong

*International Conference on Human-Engaged Computing (ICHEC 2025)*

Proposing a Context-informed Layer-based Framework: Incorporating Context into Designing mHealth Technology for Fatigue Management

Xinghui Yan, Loubna Baroudi, [Rongqi Bei](#), Leila Boudalia, Stephen M Cain, Kira Barton, K Alex Shorter, Mark W. Newman

*ACM Designing Interactive Systems (DIS 2024)*

StarRescue: the Design and Evaluation of A Turn-Taking Collaborative Game for Facilitating Autistic Children’s Social Skills

[Rongqi Bei](#), Yajie Liu, Yihe Wang, Yuxuan Huang, Ming Li, Yuhang Zhao, Xin Tong

*ACM CHI conference on Human Factors in Computing Systems (CHI 2024)*

What are People Talking about in #BackLivesMatter and #StopAsianHate?: Exploring and Categorizing Twitter Topics Emerged in Online Social Movements through the Latent Dirichlet Allocation Model

Xin Tong, Yixuan Li, Jiayi Li, [Rongqi Bei](#), Luyao Zhang

*AAAI/ACM Conference on AI, Ethics, and Society (AIES 2022)*

### Journal Papers

Engagement With a Relaxation-Based mHealth Intervention for Perioperative Anxiety: A Mixed Methods Exploratory Study

Xinghui Yan, Afton L. Hassett, Jennifer Filip Waljee, Mark W. Newman, Sun Young Park, **Rongqi Bei**, Noelle E. Carlozzi  
*JMIR mHealth and uHealth, 2026. Accepted for publication.*

**A Qualitative Analysis of User Experiences of a mHealth Self-Care Intervention for Care Partners of Individuals with Traumatic Brain Injury**

**Rongqi Bei**, Christopher M Graves, Sung Won Choi, Angelle M Sander, Madison J Fansher, Jennifer A Miner, Zhenke Wu, Predrag Klasnja, Mark W. Newman, Noelle E. Carlozzi  
*Archives of Rehabilitation Research and Clinical Translation (ARRCT), 2026, 100608.*

### **Extended Abstracts**

**StarRescue: Transforming A Pong Game to Visually Convey the Concept of Turn-taking to Children with Autism**

Yuxuan Huang, Yihe Wang, Tongxin Xiao, **Rongqi Bei**, Yuhang Zhao, Zhicong Lu, Xin Tong  
*The Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 2022)*

**Whack-a-Ball: An exergame exploring the use of a ball interface for facilitating physical activities**

**Rongqi Bei**, Yixuan Li, Xin Tong

*The Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 2021)*

### **Under preparation**

**Aligning LLM-based Chatbots with Care Partners' Health-Related Quality of Life Support Needs**

**Rongqi Bei** et al.

**Eliciting User Feedback to Enhance Personalization of Just-in-time Adaptive Interventions (JITAs): An Exploratory Study**

**Rongqi Bei** et al.

## **PRESENTATIONS, TALKS & WORKSHOPS**

**Optimizing Adaptive mHealth Interventions for Caregivers: Using Qualitative Methods to Refine Component-Level Design**

*The 2026 Conference on Intervention Optimization: Science and practice, present and future*  
Rockville, MD, United States | Expected May, 2026

**Towards Responsible Social and Emotional Uses of AI for Well-being: Experiences and Open Questions from Family Caregivers' Everyday Use of an LLM-Based Chatbot**

*ACM CHI conference on Human Factors in Computing Systems (CHI 2026), Workshop on Social and Emotional Uses of AI: Bridging Mental Health, Responsible AI, and Digital Safety.*  
Barcelona, Spain | Expected Apr 15, 2026

### **🏆 Best Workshop Paper Award**

**A Critical Reflection on Designing and Evaluating a Personalized Self-Care Intervention for Care Partners: Lessons from a Randomized Controlled Trial**

*ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2025), 10th International Workshop on Mental Health and Well-being: From Research to Practice in Mental Healthcare.*

Espoo, Finland | Oct. 13, 2025

## PROFESSIONAL EXPERIENCE

**University of Michigan School of Information** Ann Arbor, MI, United States  
Graduate Student Research Assistant Jan. 2025 – Current  
*Advisors: Mark W. Newman, Pedja Klasnja, Noelle E. Carlozzi*

**University of Michigan Medical School** Ann Arbor, MI, United States  
**Center for Clinical Outcomes Development & Application (CODA)**  
Research Assistant Apr. 2023 – Apr. 2024  
*Advisor: Noelle E. Carlozzi*

**Google Flutter Team – Sponsored Project** Ann Arbor, MI, United States  
UX Researcher Jan. 2023 – Apr. 2023

**HCI Lab, Duke Kunshan University** Kunshan, China  
Research Assistant Jun. 2021 – May 2022  
*Advisor: Xin Tong*

**JD.com, Inc.** Beijing, China  
Product Manager Intern May 2021 – Aug. 2022

**IELTS Smart Learning** Beijing, China  
Data Analyst Intern Apr. 2020 – Aug. 2020

## HONORS, AWARDS, & GRANTS

Honorable Mention Award Nov. 2025  
International Conference on Human-Engaged Computing (ICHEC 2025)

Poster Prize (3rd place) Oct. 2025  
University of Michigan Symposium on Human-Centered AI (HCAI'25)

Best Workshop Paper Award Oct. 2025  
10th International Workshop on Mental Health and Well-being at ACM UbiComp 2025

Precandidate Rackham Graduate Student Research Grant Jul. 2025  
University of Michigan, Rackham Graduate School

Rackham Conference Travel Funding Jul. 2025  
University of Michigan, Rackham Graduate School

UMSI Travel Grant Jul. 2025, Jan. 2024  
University of Michigan, School of Information

PhD Research Starter Fund University of Michigan School of Information	Sep. 2024
Teresa Noel Urban Blaurock Student Research Award University of Michigan School of Information	Apr. 2023
Summa Cum Laude Degree Honor Duke Kunshan University	May 2022
UMSI Master's Program Half Tuition Scholarship University of Michigan School of Information	Mar. 2022
Dean's List with Distinction Duke Kunshan University	Fall 2021, Spring 2021, Spring 2020, Fall 2019, Spring 2019, Fall 2018

## **ACADEMIC SERVICE**

### **Invited Reviewer**

ACM CHI 2026 Papers, Posters

ACM IUI 2026 Papers

ACM IDC 2025 Papers

ACM CHI 2025 Papers, Late Breaking Work (Special Recognitions)

## **TEACHING EXPERIENCE**

### **University of Michigan**

Ann Arbor, MI, United States

Graduate Student Instructor

SI 539: Web Design: Responsiveness & Accessibility (Expected Fall 2026)

SI 307: Introduction to Design (Fall 2023)

### **Duke Kunshan University**

Kunshan, China

Teaching Assistant

STATS 401: Data Acquisition and Visualization (Spring 2022)