

# Yaxin Hu

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## Education

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<b>Ph.D. in Computer Sciences, University of Wisconsin – Madison, United States</b> Affiliated with People and Robots Laboratory Advisor: Bilge Mutlu	2020 – 2025 (expected)
<b>M.Sc. in Computational Design, Carnegie Mellon University, United States</b> Affiliated with Human and Robots Partners Lab Advisors: Henny Admoni and Daniel Cardoso Llach	2018 – 2020
<b>B.Sc. in Computer Science, The Chinese University of Hong Kong, Hong Kong</b> First Class Honour, Minor in Fine Arts	2012 - 2017
<b>Exchange Student, Dartmouth College, United States</b>	2014

## Selected Publication

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**Yaxin Hu**, Hajin Lim, Hailey L. Johnson, Josephine M. O'Shaughnessy, Lisa Kakonge, Lyn S. Turkstra, Melissa C. Duff, Catalina L. Toma, Bilge Mutlu. "Investigating day-to-day experiences with conversational agents by users with traumatic brain injury." In proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility. (ASSETS 2023, acceptance rate: 30%)

**Yaxin Hu**, Laura Stegner, Bilge Mutlu. "Designing Socially Assistive Robots with Transactive Memory System." *CHI workshop: Socially Assistive Robots as Decision Makers: Transparency, Motivations, and Intentions 2023*.

Lim, Hajin, Lisa Kakonge, **Yaxin Hu**, Lyn S. Turkstra, Melissa C. Duff, Catalina L. Toma, and Bilge Mutlu. "So, I Can Feel Normal: Participatory Design for Accessible Social Media Sites for Individuals with Traumatic Brain Injury." In *Proceedings of CHI Conference on Human Factors in Computing Systems 2023*. (CHI 2023)

**Yaxin Hu**, Yuxiao Qu, Adam Maus, Bilge Mutlu. "Polite or Direct? Conversation Design of a Smart Display for Older Adults Based on Politeness Theory." In *Proceedings of CHI Conference on Human Factors in Computing Systems 2022*. (CHI 2022, acceptance rate: 24.7%)

**Yaxin Hu**, Lingjie Feng, Bilge Mutlu, Henny Admoni. "Exploring the Role of Social Robot Behaviors in a Creative Activity." In *Proceedings of Designing Interactive Systems Conference 2021*. (DIS 2021, acceptance rate: 26.8%)

## Research Experience

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<b>Big Lab, Human-Computer Interaction Institute</b> , Carnegie Mellon University <i>Visiting Scholar; Advisor: Prof. Jeffrey Bigham</i>	06/2023 - Present
<b>People and Robots Lab, Department of Computer Sciences</b> , University of Wisconsin – Madison <i>Research Assistant; Advisor: Prof. Bilge Mutlu</i> Social Communication for People with Traumatic Brain Injury <ul style="list-style-type: none"><li>Led the study on social media support tool for people with traumatic brain injury.</li></ul>	03/2022 - Present
eHealth System for Senior People with Chronic Pain <ul style="list-style-type: none"><li>Led the implementation on health-intervention systems on smart displays (Google Nest Hub and Amazon Echo Show).</li></ul>	08/2020 - Present
<b>Human and Robot Partners Lab</b> , Robotics Institute, Carnegie Mellon University. <i>Research Assistant; Advisor: Prof. Henny Admoni</i> <ul style="list-style-type: none"><li>Led the research on non-verbal behaviors of a social robot Kuri and its effect on children's art-making.</li><li>Designed interactive activities and conducted pilot study at Children's Museum of Pittsburgh.</li><li>Let OurCS workshop for undergraduate women engineers and guided social robotics research project with Kuri.</li></ul>	06/2019 – 08/2020

## Work Experience

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Project Amelia (Immersive Theater), Bricolage Production Company, Pittsburgh 05/2019 – 08/2019

*Theater Assistant and Hardware Engineer*

- Built indoor tracking system with Bluetooth beacons for audience locating and personalized experience.
- Assisted in project management and logistics of the immersive theater production.

Global Equity Derivatives, Deutsche Bank, Hong Kong

07/2017 – 07/2018

*Analyst in Technology*

- Integrated global data feeding pipeline in Java and migrated Oracle database with PL/SQL for legacy components, which had impact on equity trading activities across Hong Kong, Japan and Australia.
- Developed Perl and Python scripts for trading analysis (more than 200,000 trading records daily), report generation and mass email automation.

Global Markets, Deutsche Bank, Hong Kong

06/2016 – 08/2016

*Summer Intern*

- Assisted in production support for global equity trading platforms.

Thomson Reuters, Hong Kong

08/2015 – 12/2015

*Training Engineer in Technology Division*

- Built up an automation testing system for a searching engine using Ruby, Cucumber and Selenium Toolkit.

## Services

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Conference Review: HRI 2022, CSCW 2023

Journal Review: Computers in Human Behavior (2022), ACM Transactions on Computer-Human Interaction (TOCHI 2023)

## Awards

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- Merit Scholarship, Carnegie Mellon University, 2018-2020
- Master List, Morningside College, The Chinese University of Hong Kong, 2017
- Dean's List, The Chinese University of Hong Kong, 2017
- GEF Scholarship (awarded to attend summer program at Oxford University), The Chinese University of Hong Kong, 2014

## Skills

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- Engineering: ROS (Robot Operating System), C++, Python, PyTorch, Java, Javascript, Node.js, Perl, Linux, Pandas, Unity
- Design Tools: Adobe Creative Suites, Figma, D3.js, OpenFrameworks