

# Houjiang Liu

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## Education

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Ph.D. Student	Information Studies, The University of Texas at Austin, 2021 to present.
M.F.A.	Experience Design, Northeastern University, 2020
B.S.	Applied Physics, Jilin University, 2015

## Publications (Authors with equal contributions are marked with †)

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### Peer-reviewed Journals

Estefania Ciliotta Chehade<sup>†</sup>, Houjiang Liu<sup>†</sup>, William Albert, and Miso Kim. An Empirical Study of How Service Designers Use Metrics. *She Ji: The Journal of Design, Economics, and Innovation*, 9(3) :402–427, 2023.

Mingzhu Li, Miso Kim, Liqing Huang, and Houjiang Liu. Designing for people you can't meet: Persuasive design to nurture seniors' participation in community services during the COVID-19 pandemic. *The Design Journal*, 26(6) :934–955, 2023.

Sara Colombo, Estefania Ciliotta Chehade, Lucia Marengo, Houjiang Liu, Piero Molino, and Paolo Ciuccarelli. Design for Emergency: How Digital Technologies Enabled an Open Design Platform to Respond to COVID-19. *Interacting with Computers*, 35(5) :650—665, 2023.

Anubrata Das, Houjiang Liu, Venelin Kovatchev, and Matthew Lease. The state of human-centered NLP technology for fact-checking. *Information Processing & Management*, 60(2) :103219, 2023.

### Peer-reviewed Conference Proceedings

Houjiang Liu<sup>†</sup>, Anubrata Das<sup>†</sup>, Alexander Boltz<sup>†</sup>, Didi Zhou, Daisy Pinaroc, Matthew Lease, and Min Kyung Lee. Human-centered NLP Fact-checking: Co-Designing with Fact-checkers using Matchmaking for AI. 2023. (To appear in CSCW 2024)

Houjiang Liu and Miso Kim. Is gift a token of gratitude or an imposition of identity? Facilitating positive consequences of gift-giving with receiver-centred design. In: *IASDR 2023: Life-Changing Design 2023*.

Jiabao Li, Houjiang Liu, Jilie Zeng, Di Wu, Ying Ding, and Alec McGail. Shifting Winds: Gendered Structures of Academic Mentorship. In: *2022 IEEE VIS Arts Program (VISAP)*, pp. 14–29, ieeexplore, 2022.

Anubrata Das, Houjiang Liu, Venelin Kovatchev, and Matthew Lease. The Need for Human-centered Design in Fact-checking Research. In: *Proceedings of the 1st Information Processing & Management (IP&M) Conference 2022*.

Houjiang Liu, Ray Lc, Miso Kim, Concettina Cormio, and Meixin Yu. Designing for Distance Nursing: Reconnecting Nursing Students with Senior Home Residents During COVID-19. In: *IASDR 2021: [ ] With Design: Reinventing Design Modes*, pp. 2571–2582, Springer Nature Singapore, 2022.

Houjiang Liu, Miso Kim, Mingzhu Li, and Shruthi Lakshmi Narayan. Technology, Autonomy, and Participation: Designing Community Games and Services to Enhance Older Adults' Technology

Literacy. In: *IASDR 2021: [ ] With Design: Reinventing Design Modes*, pp. 1575–1591, Springer Nature Singapore, 2022.

Houjiang Liu, Miso Kim, Canqun He, and Tia Thomson. Autonomy as a Design Principle: Service Design for the Technology Literacy of Older Adults. In: *Design Culture(s) Cumulus Conference Proceedings Roma 2021*, pp. 1190–1207, Cumulus, 2021.

### Posters

Yian Wong, Utkarsh Mujumdar, Li Shi, Matthew Lease, Houjiang Liu. Multi-Agent LLM Framework to Mitigate Cognitive Biases in Information-Seeking Contexts. Good Systems Annual Symposium, Shaping the Future of Ethical AI, UT Austin, 2024.

Houjiang Liu and Estefania Ciliotta Chehade. An Exploration of Service Design Metrics. Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, 2021.

Houjiang Liu, Miso Kim, Anni Xu, Marina DiPiazza, Nirban Bhaita, and Mingzhu Li. Participatory Design for Senior Healthcare: Service Design to Improve Seniors' Health Literacy and Autonomy. Research, Innovation, Scholarship, Entrepreneurship (RISE), Northeastern University, 2020.

Houjiang Liu. Enriching Family Gifts: Reciprocity in Family Relationships. NA PhD by Design Symposium, New York University, 2020. (Abstract)

Yingying Xu, Anni Xu, and Houjiang Liu. How Food is Served in Early Care Center. Northeastern University Visualization Consortium (NUVis) Demofest, 2019.

### Others (co-editor)

邓治凡 ed. 中华千古名言大辞典 (*Chinese Motto Dictionary*). 中国外文局华语教学出版社, 北京 2023.

邓治凡 ed. 中华联语语典 (*Chinese Couplet Language Dictionary*). 崇文书局, 武汉 2014.

### Professional Experience

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Research Assistant	Artificial Intelligence and Human-Centered Computing Lab, UT Austin (2021 to present)
Design Researcher	Center for Design, NEU (2020 – 2021)
Lecturer	College of Arts, Media and Design, NEU (2019 – 2021)
UX Designer	SeetaTech, Beijing (2017 - 2018) JD Design Center, JD.com, Beijing (2015 – 2017)
Design Intern	JD Design Center, JD.com, Beijing (2015) Lenovo, Harbin (2013) Midea Group, Guangdong (2012)

### Teaching Experience

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Teaching Fellow	College of Arts, Media and Design, NEU ARTG2400 Interaction Design (Spring 2021) ARTG2401 Interaction Design Tools (Fall 2019, Spring 2020)
Teaching Assistant	College of Arts, Media and Design, NEU ARTG6330 Info Design Mapping Strategies (Fall 2020) ARTG6900 Design for Dignity (Fall 2019)

## Awards

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UT Austin	Professional Development Award (2023) iSchool Summer Research Grant (2023)
NEU	CAMD Deans' Award for Research, Scholarship, and Creative Activity (2020) CAMD Summer Research Scholarship (2019) Graduate Student Scholarship (2018–20)
JLU	Undergrad Merit Scholarship (2012, 13, 15) Second-class Award of Math Modeling (2012)
Others	Reviewer with Special Recognition (CSCW23) Information is Beautiful Awards (Longlist 2022) Mad*Pow, First Design Award, Health x Design Challenge (2019) Tencent, Innovative Design Award, Reinventing Tencent Map (2014)

## Services

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PhD representative, Master's Studies Committee, iSchool, UT Austin (21–22)  
Paper reviewer (CSCW22, 23, DRS24)  
Student volunteer (CHIIR22, WWW23)

## Skills

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Design	Adobe Creative Suite (Illustrator, InDesign, Photoshop, and XD), Sketch, InVision, Axure, Figma
Data Analysis	R, Python, SPSS, MATLAB, ArcGIS
Data Visualization	JavaScript (D3, jQuery), HTML and CSS, C, Processing