

# 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

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### Peer-reviewed Journals

[To appear] Estefania Ciliotta\*, Houjiang Liu\*, William Albert, and Miso Kim. An Empirical Study of How Service Designers Use Metrics. *She Ji: The Journal of Design, Economics, and Innovation*, 2023. (\* denotes equal contribution as first authors)

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*, :1–22, 2023.

Sara Colombo, Estefania Ciliotta, 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*, :iwad042, 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 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.

## Preprints

Houjiang Liu\*, Anubrata Das\*, Alexander Boltz\*, 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. (\* denotes equal contribution as first authors)

## Posters

An Exploration of Service Design Metrics. *Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO*, Northeastern University, 2021. (Presented with Estefania Ciliotta)

Participatory Design for Senior Healthcare: Service Design to Improve Seniors' Health Literacy and Autonomy. *Research, Innovation, Scholarship, Entrepreneurship (RISE)*, Northeastern University, 2020.

Enriching Family Gifts: Reciprocity in Family Relationships. North American PhD by Design Symposium, New York University, 2020. (Abstract accepted)

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

## Others

Zhifan Deng, Guosheng Yao, primary editors, Yaming He., Houjiang Liu., co-editors. 2023.  
*中华千古名言辞典 (Chinese Motto Dictionary)*, Sinolingua Publishing.

Zhifan Deng, Guosheng Yao, primary editors, Yaming He., Houjiang Liu., co-editors. 2014.  
*中华联语语典 (Chinese Couplet Language Dictionary)*, ChongWen Publishing.

## Employment

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

## Teaching Experience

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

## Awards

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University Grants	Summer Research Grant, UT Austin, 2023 Grant for Research, Scholarship, and Creative Activity, NEU, 2020 Graduate Student Scholarship, NEU, 2018 Individual Undergrad Grant, JLU, 2015 Second-class Undergrad Grant, JLU, 2012, 2013 Second-class Award of Math Modeling, JLU, 2012
Design Awards	Information is Beautiful Awards (Longlist), 2022 First Design Award, Health x Design Challenge, Mad*Pow, 2019 Innovative Design Award, Reinventing Tencent Map, Tencent, 2014

## Services

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Master's Studies Committee, PhD representatives , School of Information, UT Austin, 2021-22  
Reviewer (CSCW22, 23)  
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