Houjiang Liu

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Education

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

Publications

Peer-reviewed Journals

Li, Mingzhu, Miso Kim, Liqing Huang, Houjiang Liu. 2023. "Designing for People You Can't Meet: Persuasive Design to Nurture Seniors' Participation in Community Services during the COVID-19 Pandemic." *The Design Journal (RFDJ)*

Colombo, Sara, Estefania Ciliotta Chehade, Lucia Marengo, Houjiang Liu, Piero Molino, and Paolo Ciuccarelli. 2023. "Design for Emergency: How Digital Technologies Enabled an Open Design Platform to Respond to Covid-19." *Interacting with Computers,* iwad042.

Das, Anubrata, Houjiang Liu, Venelin Kovatchev, and Matthew Lease. 2023. "The State of Human-Centered NLP Technology for Fact-Checking." *Information Processing & Management (IP&M),* 60 (2).

Peer-reviewed Conference Proceedings

Liu, Houjiang, Miso Kim. 2023. "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* (To appear)

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

Das, Anubrata, 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.

Liu, Houjiang, Miso Kim, Mingzhu Li, and Shruthi Lakshmi Narayan. 2022. "Technology, Autonomy, and Participation: Designing Community Games and Services to Enhance Older Adults' Technology Literacy." In *IASDR 2021: [ ] With Design: Reinventing Design Modes*, 1575–91. Springer Nature Singapore.

Liu, Houjiang, Ray Lc, Miso Kim, Concettina Cormio, and Meixin Yu. 2022. "Designing for Distance Nursing: Reconnecting Nursing Students with Senior Home Residents During COVID-19." In *IASDR 2021: [ ] With Design: Reinventing Design Modes*, 2571–82. Springer Nature Singapore.

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

Preprints

Liu, Houjiang*, Anubrata Das*, Alexander Boltz*, Didi Zhou, Daisy Pinaroc, Matthew Lease, Min Kyung Lee. 2023 "Human-Centered NLP Fact-Checking: Co-Designing with Fact-Checkers Using Matchmaking for AI." arXiv [cs.HC] arXiv. (* denotes equal contribution as first authors)

Posters

"An Exploration of Service Design Metrics", Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, 2021. (With Chehade, 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" (Abstract accepted), North American PhD by Design Symposium, New York University, 2020.

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

Others

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

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

Employment

Research Assistant	Artificial Intelligence and Human-Centered Computing Lab, University of Texas at Austin, 2021 to present.
Design Researcher	Center for Design, Northeastern University, 2020 to 2021
PT Lecturer	College of Arts, Media and Design, Northeastern University, 2019 to 2021
Research Assistant	College of Arts, Media and Design, Northeastern University, 2019 to 2020
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

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

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

Master's Studies Committee, PhD representatives, 2021-23, School of
Information, UT Austin
Reviewer (CSCW22, 23)
Volunteer (CHIIR22, WWW23)

Skills

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