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

Thesis

1. **Liu, Houjiang**. 2020. "Enriching Gifts, Experience Design to Understand Human Relationships", Northeastern University, Boston, MA, 2020

Journals

1. Das, Anubrata, **Houjiang Liu**, Venelin Kovatchev, and Matthew Lease. 2023. "The State of Human-Centered NLP Technology for Fact-Checking." Information Processing & Management 60 (2): 103219.

Conference Proceedings

1. 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.
2. **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.
3. **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.
4. **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.

Books

1. 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.

Posters

1. "An Exploration of Service Design Metrics", Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, 2021. (With Chehade, Estefania Ciliotta)
2. "Participatory Design for Senior Healthcare: Service Design to Improve Seniors' Health Literacy and Autonomy", Research, Innovation, Scholarship, Entrepreneurship (RISE), Northeastern University, 2020.
3. "Enriching Family Gifts: Reciprocity in Family Relationships" (Abstract), North American PhD by Design Symposium, New York University, 2020.
4. "How Food is Served in Early Care Center", Northeastern University Visualization Consortium (NUVis), 2019 Demofest. (With Xu, Yingying and Xu, Anni)

AI Technology

An Explainable Claim Debunking AI Tool (ongoing), 2022
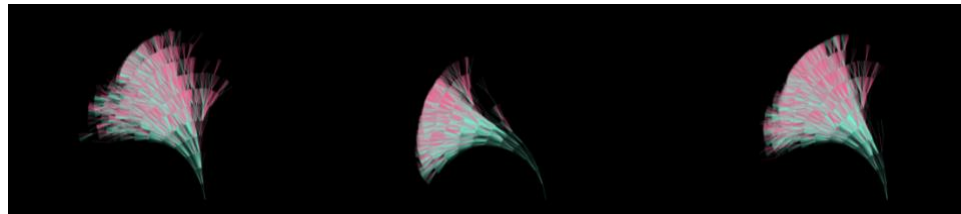

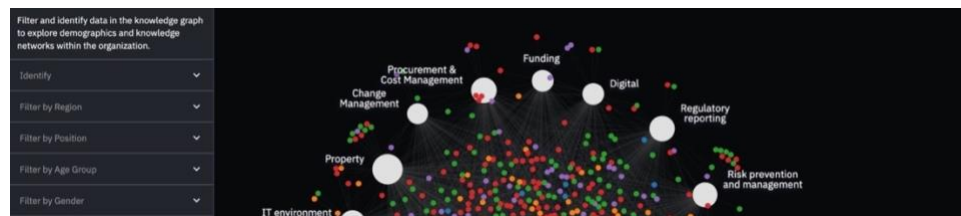AutoDL, 2019, now updated to CodewithGPU (Chinese), GPUHub (International)

SeeTaaS (no longer functioning), 2018

Information Visualization

Shifting Winds: Gendered Structures of Academic Mentorship, 2022

Data-viz for E-learning (Application, Proof-of-concept prototype), 2021.
Information is Beautiful Awards, Longlist.

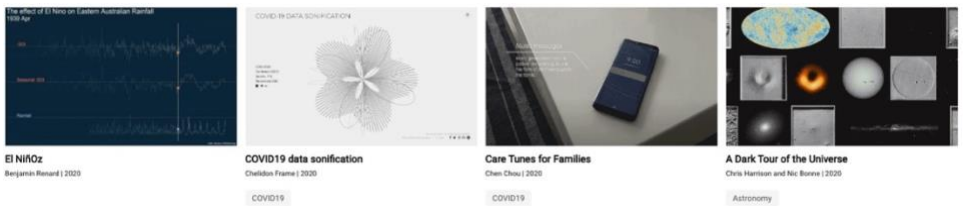Design for Emergency: The Data Platform, 2021
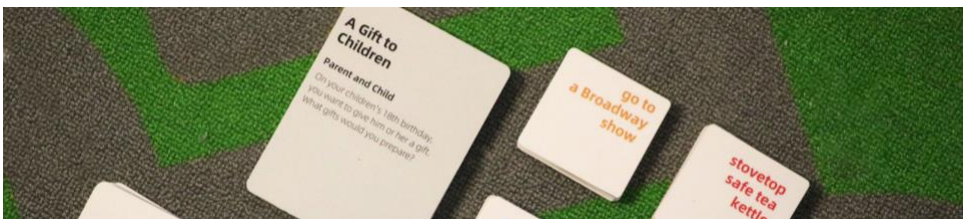

Visualizing Covidcookery, 2020

Giga-mapping – Food Provider Relationship in Boston Preschool, 2020

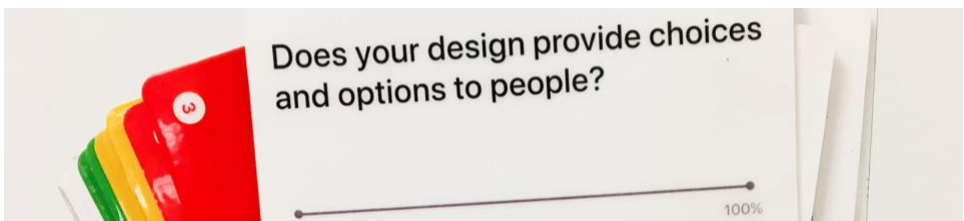**Experience Design**

Data Sonification Archive, 2020

Card game – Enriching Gifts, 2020

Dignity Toolkits for Design, 2019

<u>Selective work</u> in JDC UX, From 2015 to 2017

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
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

Information is Beautiful Awards (Longlist), 2022
Grant for Research, Scholarship, and Creative Activity (Dean's award), Northeastern University, 2020
First Design Award, Health x Design Challenge, Prize 2: Reimagine a System or Space, Mad*Pow, 2019
Graduate Student Scholarship, Northeastern University, 2018
Individual Undergrad Grant, Jilin University, 2015
Innovative Design Award, Design Challenge – Reinventing Tencent Map, Tencent, 2014
Second-class Undergrad Grant, Jilin University, 2012, 2013
Second-class Award of Math Modeling, Jilin University, 2012

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