# **Houjiang Liu**

liuhoujiang@hotmail.com | 781.827.9962 | jialingjia.github.io/houjiang-website/

### **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 Journal and Conference Paper

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* (In press)

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)*.

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.

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.

**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.

#### Books

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

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**

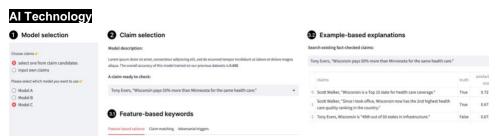
"An Exploration of Service Design Metrics", Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, 2021. (With Chehade, Estefania Ciliotta)

"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), 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)

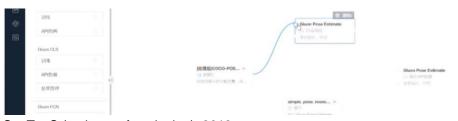
## Design



An Explainable Claim Debunking Al Tool (ongoing), 2022

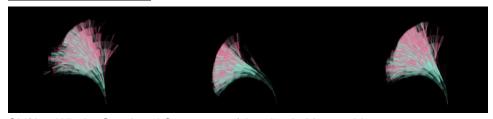


AutoDL, 2019, now updated to CodewithGPU (Chinese), GPUHub (International)

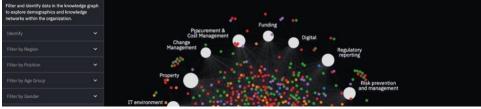


SeeTaaS (no longer functioning), 2018

#### Information Visualization



Shifting Winds: Gendered Structures of Academic Mentorship, 2022



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



Design for Emergency: The Data Platform, 2021



Visualizing Covidcookery, 2020



<u>Giga-mapping – Food Provider Relationship in Boston Preschool</u>, 2020

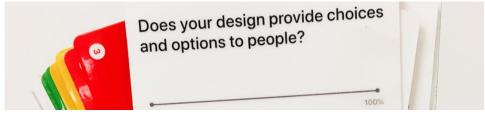
# **Experience Design**



Data Sonification Archive, 2020



Card game - Enriching Gifts, 2020



Dignity Toolkits for Design, 2019



Selective work 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

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

# 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