Houjiang Liu

PhD student | School of Information | University of Texas at Austin | 781.827.9962 | liuhoujiang@hotmail.com | jialingjia.github.io/houjiang-website/

Education	Ph.D. Student, Information Studies, University of Texas at Austin, Austin TX
	M.F.A. Experience Design, Northeastern University, Boston MA, August 2020 Committee: Dr. Miso Kim, Dr. Meryl Alper, Dr. Kristian Kloeckl
	B.S. Applied Physics, Jilin University, Changchun CA, July 2015
Work History	Graduate Research Assistant, Laboratory for Artificial Intelligence and Human-Centered Computing (AI&HCC), University of Texas at Austin, Austin TX, Fall 2021 to present
	Design Researcher, Center for Design, College of Arts Media and Design, Northeastern University, Boston MA, Jan 2019 to May 2021
	Instructor, College of Arts, Media and Design, Northeastern University, Boston MA, Fall 2019 to Spring 2021
	User Experience Designer, Seetatech, Beijing CA, Oct 2017 to Aug 2018
	Interaction Designer, JD Design Center, JD.com, Beijing CA, Feb 2015 to March 2017

Publications

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.

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.

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.

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

Deng, Zhifan, Yao, Guosheng, primary editors, He, Yaming., **Liu, Houjiang**., co-editor. 2014. 中华联语语典, ChongWen Publishing.

Presentations & Workshops

"An Exploration of Service Design Metrics", Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, April 2021
Liu, H., Chehade, E. C.

"Participatory Design for Senior Healthcare: Service Design to Improve Seniors' Health Literacy and Autonomy", Research, Innovation, Scholarship, Entrepreneurship (RISE), Northeastern University, April 2020
Liu, H., Kim, M., Xu, A., DiPiazza, M., Bhatia, N., Li, M.

"Enriching Family Gifts: Reciprocity in Family Relationships", North American PhD by Design Symposium, New York University, March 2020 (Accepted)
Liu, H.

"How Food is Served in Early Care Center", Northeastern University Visualization Consortium (NUVis), 2019 Demofest
Liu, H., Xu, Y., Xu, A.

"The Power of User Data – How to Build a Data-driven E-commerce User Experience", User eXperience Professional Association (UXPA) Conference, China, 2015
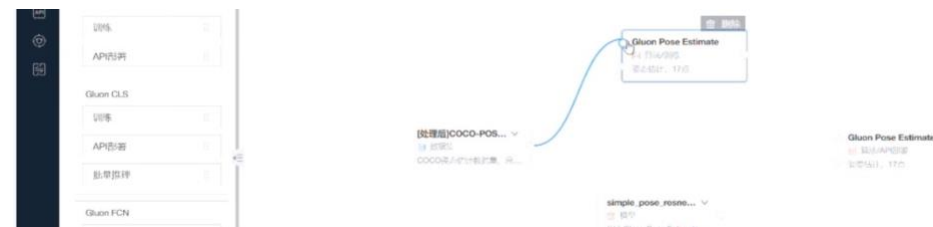Li, S., **Liu, H.**

Design Deliverables

AI technology design

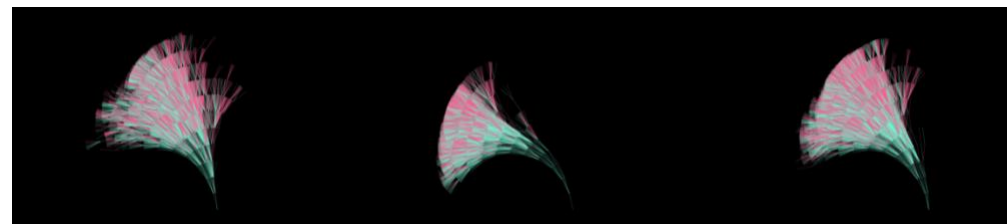An Explainable Claim Debunking AI Tool (ongoing), November 2022

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

SeeTaaS (no longer functioning), October 2018

Information visualization

Shifting Winds: Gendered Structures of Academic Mentorship, June 2022

Data-viz for E-learning (Application, Proof-of-concept prototype), April 2021

Design for Emergency: The Data Platform, April 2021
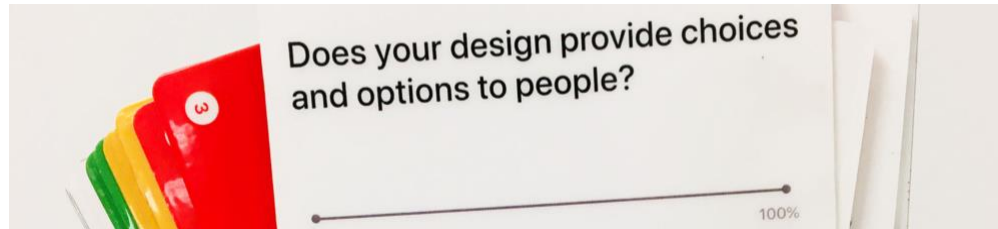

Visualizing Covidcookery, December 2020

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

Experience design

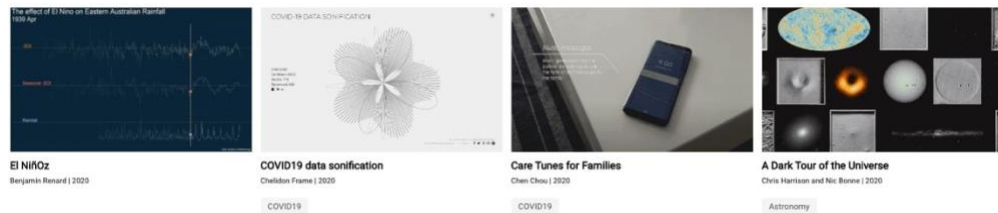

Card game – Enriching Gifts, June 2020

<u>Dignity Toolkits for Design</u>, April 2019

Others

<u>Data Sonification Archive</u>, December 2020

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

Instructors & Volunteers

Instructor, 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

Research Volunteers, Design for Emergency, Center for Design, the College of Arts Media and Design, Northeastern University, Boston, MA, Sep 2020 to May 2021

Awards & Honors

CAMD Student Grant for Research, Scholarship and Creative Activity (Dean's project awards), Boston MA, 2020

First Design Award, Health x Design Challenge, Prize 2: Reimagine a System or Space, Mad*Pow, Boston MA, 2019

Graduate Student Scholarship, Northeastern University, Boston MA, 2018

Individual Undergrad Grant, Jilin University, Jilin CA, 2015

Innovative Design Award, Tencent Design Challenge, Shenzhen CA, 2014

Second-class Undergrad Grant, Jilin University, Jilin CA, 2012, 2013

Second-class Award of Math Modeling, Jilin University, Jilin CA, 2012

Skills	Graphic and Interaction Design: Illustrator, InDesign, Photoshop, Sketch, InVision, Axure, Adobe XD, Figma;
	Data Analysis: R, Python, SPSS, MATLAB, ArcGIS;
	Data Visualization: HTML and CSS, JavaScript, D3.js, C, Processing