

Houjiang Liu

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- Education** Ph.D. 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, Changachun CA, July 2015
- Work History** 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** [Pictorial paper] Li, Jiabao, **Houjiang Liu**, Jilie Zeng, Di Wu, Ying Ding, and Alec McGall. "Shifting Winds: Gendered Structures of Academic Mentorship." In Proceedings of the IEEE VIS Arts Program, Oklahoma, USA October 2022 (Accepted)
- [Full paper] **Liu, Houjiang**, Miso Kim, Ming Zhu Li. "Technology, Autonomy, and Participation: Designing Community Games and Services to Enhance Older Adults' Technology Literacy", In Proceedings of the 9th International Association of Societies of Design Research (IASDR), Hong Kong, China, Dec 2021
- [Short paper] **Liu, Houjiang**, Ray LC, Concetinna Cormio, Meixin Yu, Miso Kim. "Designing for Distance Nursing: Reconnecting Nursing Students with Senior Home Residents during COVID-19", In Proceedings of the 9th International Association of Societies of Design Research (IASDR), Hong Kong, China, Dec 2021
- [Full paper] **Liu, Houjiang**, Miso Kim, Canqun He, Tia Thomson. "Autonomy as Design Principle: Service Design for the Technology Literacy of Older Adults" In Proceedings of Cumulus: Design Culture(s), Rome, Italy, June 2021
- [Thesis] **Liu, Houjiang**. "Enriching Gifts, Experience Design to Understand Human Relationships", Northeastern University, Boston, MA, 2020
- [Book] Zhifan Deng, and Guosheng Yao, primary editors, Yaming He, **Houjiang Liu**, et al, co-editors. 中华联语语典, ChongWen Publishing, Wuhan, China, 2014
- Presentations & Workshops**
- [Presentation] Houjiang Liu, Estefania Ciliotta Chehade "An Exploration of Service Design Metrics", Research, Innovation, Scholarship, Entrepreneurship (RISE), Virtual EXPO, Northeastern University, April 2021
- [Poster] Houjiang Liu, Miso Kim, Anni Xu, Marina DiPiazza, Nirban Bhatia, Mingzhu Li, "Participatory Design for Senior Healthcare: Service Design to Improve Seniors' Health Literacy and Autonomy", Research, Innovation, Scholarship, Entrepreneurship (RISE), Northeastern University, April 2020
- [Presentation] Houjiang Liu, "Enriching Family Gifts: Reciprocity in Family Relationships", North American PhD by Design Symposium, New York University, March 2020 (Accepted)

[Poster] Houjiang Liu, Yingyin Xu, Anni Xu, "How Food is Served in Early Care Center", Northeastern University Visualization Consortium (NUVis), 2019 Demofest

[Workshop] Suchen Li, Houjiang Liu, "the Power of User Data – How to Build a Data-driven E-commerce User Experience", User eXperience Professional Association (UXPA) Conference, China, 2015

Research Projects

Shifting Winds: Gendered Structures of Academic Mentorship (mentortrees.com). April 2022, (PI: Prof. Jiabao Li, Dr. Ying Ding)

Data Sonification Archive (sonification.design), December 2020, (PI: Dr. Sara Lenzi, Prof. Paolo Ciuccarelli)

Service Design to Connect Nursing Students with Older Adults through Health Education During COVID-19, August 2020, (PI: Dr. Miso Kim, Dr. Ray LC)

An Exploration of Service Design Metrics in the Healthcare Industry, August 2020 (PI: Dr. William Albert, Dr. Miso Kim)

Designing a Service to Improve Older Adults' Technology Literacy for Health Autonomy, Institute on Urban Health Research Advancing Health Equity Pilot Project Awards, Institute of Health Equity and Social Justice Research at Northeastern University, Mar 2019 (PI: Dr. Miso Kim)

Eyes on Street – Evaluation of Mobile Eye-tracking Glasses for the Understanding of Human Experience in Urban Environments, CAMD Scholarship Summer Support Grant, June 2019 (PI: Dr. Kristian Kloeckl)

Designing for the Technology Literacy of Elders – Autonomy as a Framework for Evaluating Service Experience, CAMD Research Collaborative Grant, Nov 2018 (PI: Dr. Miso Kim and Dr. Canqun He)

Research and Development of new Geomagnetic Teaching Aids and Devices, Beijing Municipal Science & Technology Commission, Science Popularization Grant, Jan 2017 (PI: Dr. Linjun Yao)

Study on the Alignment of YAG Solid Pulsed Laser, Jilin University, National University Student Innovation Grant, Sept 2014

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 (Funded \$2,000)

First Design Award, Health x Design Challenge, Prize 2: Reimagine a System or Space, Mad*Pow, Boston MA, 2019 (Funded \$4,500)

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;

Data Analysis: R, Python, SPSS, MATLAB, ArcGIS;

Data Visualization: HTML and CSS, JavaScript, D3.js, C, Processing