

Jiachen Li

 jiachen-li.com

 jasmine.jiachenli@gmail.com

 [Google Scholar](#)

Research Focus

Human Computer Interaction (HCI), Ubiquitous Computing, Sensemaking, Older Adults, Multi-modal, Wearable Sensing, Conversational Agent, LLM Simulated Agents, Visualization, Mixed-methodologies, Thematic Analysis

Education

Northeastern University

2022 - present

Ph.D. in Computer Science

Advisors: Elizabeth Mynatt, Varun Mishra

Georgia Institute of Technology

2020 - 2022

M.S. in Digital Media

Advisors: Elizabeth Mynatt, Christopher Le Dantec

Beijing University of Posts and Telecommunications (BUPT)

2015 - 2019

B.Eng. in Electronic Information and Technology

University of California, Berkeley

2018

Exchange student

Work Experience

Microsoft Research - Health Futures Team

Summer 2025

Research intern

Developed and conducted user study on a multi-agentic LLM system (HAO, Healthcare Agent Orchestrator) for MTB (multidisciplinary tumor board) with oncologists.

Accenture - Digital Experiences Team

Summer 2023

Summer research specialist

Developed and conducted user study on an LLM-based AR tool to close the knowledge gap in online meetings.

Peer-reviewed Publications

[P15] Exploring the Future of AI in Clinical Collaboration: A Study on Tumor Board Case Preparation

Jiachen Li, Amanda K. Hall, Ruican Zhong, Selin Everett, Alyssa Unell, Hanwen Xu, Matthias Blondeel, Jonathan Carlson, Katie Claveau, Thulasee Jose, Tristan Naumann, David C. Rhew, Naiteek Sangani, Frank Tuan, Jim Weinstein, Varun Mishra, Elizabeth D. Mynatt, Scott Saponas, Hao Qiu, Leonardo Schettini, Sam Preston, Aiden Gu, Naoto Usuyama, Zelalem Gero, Cliff Wong, Noel Christopher Codella, Hoifung Poon, Shrey Jain, Matthew Lungren, Eric Horvitz

CHI 2026

- [P14]** Vital Insight: Assisting Experts' Sensemaking Process of Multi-modal Personal Tracking Data Using Visualization and LLM
Jiachen Li, Justin Steinberg, Xiwen Li, Akshat Choube, Bingsheng Yao, Dakuo Wang, Elizabeth Mynatt, Varun Mishra
IMWUT 2025
- [P13]** GLOSS: Group of LLMs for Open-Ended Sensemaking of Passive Sensing Data for Health and Wellbeing
Akshat Choube, Ha Le, **Jiachen Li**, Kaixin Ji, Vedant Das Swain, Varun Mishra
IMWUT 2025
- [P12]** Imputation Matters: A Deeper Look into an Overlooked Step in Longitudinal Health and Behavior Sensing Research
Akshat Choube, Rahul Majethia, Sohini Bhattacharya, Vedant Das Swain, **Jiachen Li**, Varun Mishra
IMWUT 2025
- [P11]** Insights from Designing Context-Aware Meal Preparation Assistance for Older Adults with Mild Cognitive Impairment (MCI) and Their Care Partners
Szeyi Chan*, **Jiachen Li***, Siman Ao, Yufei Wang, Ibrahim Bilau, Brian Jones, Eunhwa Yang, Elizabeth Mynatt, Xiang Zhi Tan
DIS 2025
- [P10]** "Always Nice and Confident, Sometimes wrong": Developer's Experiences Engaging Generative AI Chatbots Versus Human-Powered Q&A Platforms
Jiachen Li, Varun Mishra, Elizabeth Mynatt, Jonathan Bell
CSCW 2025
- [P9]** "Mango Mango, How to Let The Lettuce Dry Without A Spinner?": Exploring User Perceptions of Using An LLM-Based Conversational Assistant Toward Cooking Partner
Szeyi Chan*, **Jiachen Li***, Bingsheng Yao, Amama Mahmood, Chien-Ming Huang, Holly Jimison, Elizabeth D Mynatt, Dakuo Wang
CSCW 2025
- [P8]** Human and LLM-Based Voice Assistant Interaction: An Analytical Framework for User Verbal and Nonverbal Behaviors
Szeyi Chan, Shihan Fu, **Jiachen Li**, Bingsheng Yao, Smit Desai, Mirjana Prpa, Dakuo Wang
TOCHI *in submission*
- [P7]** "Privacy vs. Awareness: Relieving the Tension between Older Adults and Adult Children When Sharing In-home Activity Data"
Jiachen Li, Bingrui Zong, Tingyu Cheng, Yunzhi Li, Elizabeth D Mynatt, Ashutosh Dhekne
CSCW 2024
- [P6]** More Samples or More Prompts? Exploring Effective Few-Shot In-Context Learning for LLMs with In-Context Sampling
Bingsheng Y, Guiming C, Ruishi Z, Yuxuan L, **Jiachen Li**, Shao Z, Sijia L, James H, Dakuo Wang
NAACL 2024

- [P5]** "I Wish There Were an AI": Challenges and AI Potential in Cancer Patient-Provider Communication
Ziqi Yang, Xuhai Xu, Bingsheng Yao, **Jiachen Li**, J Bagdasarian, G Gao, Dakuo Wang
JMIR *in submission*
- [P4]** A Collaborative Approach to Support Medication Management in Older Adults with Mild Cognitive Impairment Using Conversational Assistants (CAs)
Niharika Mathur, Kunal Dhodapkar, Tamara Zubatyi, **Jiachen Li**, Brian Jones, and Elizabeth Mynatt
ASSETS 2022
 **Best Paper Award**
- [P3]** Navigating the Paradox: Challenges and Strategies of University Students Managing Mental Health Medication in Real-World Practices
Jiachen Li, Justin Steinberg, Elizabeth Mynatt, Varun Mishra
JMIR
- [P2]** PITAS: Sensing and Actuating Embedded Robotic Sheet for Physical Information Communication
Tingyu Cheng, Jung Wook Park*, **Jiachen Li***, Charles Ramey, Hongnan Lin, Gregory D. Abowd, Carolina Brum Medeiros, HyunJoo Oh, and Marcello Giordano
CHI 2022
 **Honorable mention** in Fast Company's 2022 Innovation by Design Awards
 **Student notable interaction award** in 2022 Core77 Design Award
- [P1]** Video-based Parent-Child Relationship Prediction
Ying Sun*, **Jiachen Li***, Yiwen Wei, Haibin Yan
IEEE VCIP 2018
-

Workshop & Symposium Papers

- [W4]** CancerGUIDE: Cancer Guideline Understanding via Internal Disagreement Estimation
Alyssa Unell, Noel C Codella, J. Samuel Preston, Peniel Argaw, Wen-wai Yim, Zelalem Gero, Cliff Wong, Rajesh Jena, Eric Horvitz, Amanda K. Hall, Rachel Ruican Zhong, **Jiachen Li**, Shrey Jain, Mu Wei, Matthew P. Lungren, Hoifung Poon
NeurIPS Workshop 2025 (GenAI4Health)
- [W3]** LLM-Powered Conversational Agent for Older Adults with Mild Cognitive Impairment (MCI): A 3-Month Deployment Case Study
Jiachen Li, Bingsheng Yao, Dakuo Wang, Elizabeth Mynatt, Varun Mishra
CHI Workshop 2025
- [W2]** Vital Insight: Assisting Experts' Sensemaking Process of Multi-modal Personal Tracking Data Using Visualization and LLM
Jiachen Li, Justin Steinberg, Xiwen Li, Akshat Choube, Bingsheng Yao, Dakuo Wang, Elizabeth Mynatt, Varun Mishra
CHI Workshop 2025

[W1] Understanding the Daily Lives of Older Adults: Integrating Multi-modal Personal Health Tracking Data through Visualization and Large Language Models

Jiachen Li, Justin Steinberg, Xiwen Li, Bingsheng Yao, Dakuo Wang, Elizabeth Mynatt, Varun Mishra

AAAI AiP 2024

Awards and Recognition

- 2024** **AIVO Travel Grant** | AIVO Expansion Programs
 - 2023** **Special Recognition for Outstanding Review** | ACM CHI
 - 2023** **Khoury PhD Network Travel Award** | Northeastern University Khoury College
 - 2022** **Best Paper Award** | ASSETS
 - 2022** **Honorable mention** | Fast Company's 2022 Innovation by Design Awards
 - 2022** **Student Notable Interaction Award** | Core77 Design Award
 - 2022** **Gary Marsden Travel Awards** | SIGCHI
 - 2017** **First-Class Scholarship** | BUPT
 - 2017** **Outstanding Peer Tutor** | BUPT
 - 2017** **Outstanding Student** | BUPT
-

Skills

Research Method & UX

Mixed-methodologies, Qualitative research (Interview / survey / focus group), Thematic analysis, Field study & longitudinal deployment, Quantitative empirical study (A/B test), Usability testing, Accessibility & Disability

AI & Machine Learning

GenAI (LLM), Scikit-learn, Tensorflow, PyTorch, AI ethics, Mobile/wearable sensing and prediction, Human-centered Machine Learning / NLP

Coding

python, R, HTML, React-JS, MongoDB, Pandas, C/C++, Java Script

Design

Figma, Sketch, Adobe Creative Cloud, Tableau, Final Cut Pro

Student Mentoring

- 2025 - present** Xueni Tang | M.S. in Computer Science
- 2025 - present** Ayesha Fatima | M.S. in Computer Science
- 2025 - present** Coco Choi | M.S. in Computer Science
- 2024 - 2025** Xiwen (Nancy) Li | M.S. in Experience Design
- 2023 - 2025** Szeyi (Reina) Chan | M.S. in Computer Science - PhD. in Computer Science

2022 - 2024 Justin Steinberg | M.S. in Computer Science
2022 - 2023 Yufei (Vicky) Wang | M.S. in Human Computer Interaction
2022 - 2023 Siman (Avery) Ao | M.S. in Human Computer Interaction

Service

AC ACM CHI LBW | 2025
Reviewer ACM CHI | ACM CSCW | ACM IMWUT | ACM DIS | IJHCS

Teaching Experience

2024 Teaching Assistant | CS6350 Empirical Research Methods