

Jiachen Li

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 [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

[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 Zubatiy, **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 *in submission*
- [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
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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 Worshop 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
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Awards and Recognition

- 2024** **AIVO Travel Grant** | AIVO Expansion Programs
- 2023** **Special Recognition for Outstanding Review** | ACM CHI

- 2023

Khoury PhD Network Travel Award

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Northeastern University Khoury College
- 2022

Best Paper Award

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ASSETS
- 2022

Honorable mention

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Fast Company's 2022 Innovation by Design Awards
- 2022

Student Notable Interaction Award

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Core77 Design Award
- 2022

Gary Marsden Travel Awards

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SIGCHI
- 2017

First-Class Scholarship

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BUPT
- 2017

Outstanding Peer Tutor

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BUPT
- 2017

Outstanding Student

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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