

# Jiachen Li

 [jiachen-li.com](http://jiachen-li.com)

 [jasmine.jiachenli@gmail.com](mailto: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