Xi Lu

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Google Scholar

Summary

My research lies at the intersection of Human-Computer Interaction (HCI), Personal Health Informatics, and Computer-Supported Cooperative Work (CSCW). My research explores how data-driven ecosystems can support complex and often-changing health needs from individual, interpersonal, and socio-cultural levels. I am particularly interested in stigmatized health domains where individuals may be marginalized by the healthcare system and technology industry, such as women's health and public health crises.

Employment

University at Buffalo   Buffalo, NY, United States
Assistant Professor   2024–Current
Department of Information Science, Graduate School of Education
Joint appointment, Department of Computer Science and Engineering
Areas: Human-Computer Interaction, Social Computing, Health, Design

Education

University of California, Irvine   Irvine, CA, United States
Ph.D. in Informatics, Donald Bren School of Information & Computer Sciences   2019–2024
Thesis Committee: Daniel A. Epstein (Chair & Advisor), Yunan Chen, Elena Agapie, Madhu Reddy

Indiana University Bloomington   Bloomington, IN, United States
M.S. of Human-Computer Interaction/Design   2017–2019

Xi'an Jiaotong University   Xi'an, Shannxi, China
Bachelor of Engineering in Industrial Design

Conference Publications

1. <u>Xi Lu</u>, Jacquelyn E. Powell, Elena Agapie, Yunan Chen, and Daniel A. Epstein, "Unpacking the Lived Experience of Collaborative Pregnancy Tracking", *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI), 2024, doi.org/10.1145/3613904.3642652*

2. John Chen, <u>Xi Lu</u>, Yuzhou Du, Michæl Rejtig, Ruth Bagley, Mike Horn, and Uri Wilensky, "Learning Computational Modeling with LLM Companions: Experiences of Novices and Experts Using ChatGPT NetLogo Chat", *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI), 2024, doi.org/10.1145/3613904.3642377*

3. <u>Xi Lu</u>, Yunan Chen, and Daniel A. Epstein, "How Cultural Norms Influence Persuasive Design: A Study on Chinese Food Journaling Apps", *Proceedings of the Designing Interactive Systems Conference (DIS), 2021, doi.org/10.1145/3461778.3462142*

4. <u>Xi Lu</u>, Tera L. Reynolds, Eunkyung Jo, Hwajung Hong, Xinru Page, Yunan Chen, and Daniel A. Epstein, "Comparing Perspectives Around Human and Technology Support for Contact Tracing", *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI), 2021, doi.org/10.1145/3411764.3445669*

5. Guo Freeman, Jeffrey Bardzell, Shaowen Bardzell, Szu-Yu Liu, <u>Xi Lu</u>, and Diandian Cao, "Smart and Fermented Cities: An Approach to Placemaking in Urban Informatics", *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI), 2019, doi.org/10.1145/3290605.3300274, **Best Paper Honorable Mention***

Journal Publications

1. <u>Xi Lu</u>, Jacquelyn E. Powell, Elena Agapie, Yunan Chen, and Daniel A. Epstein, "Examining the Social Aspects of Pregnancy Tracking Applications", *Proc. ACM Hum.-Comput. Interact. 8, CSCW1, 2024, doi.org/10.1145/3637328*

2. <u>Xi Lu</u>, Eunkyung Jo, Seora Park, Hwajung Hong, Yunan Chen, and Daniel A. Epstein, "Understanding Cultural Influence on Perspectives Around Contact Tracing Strategies", *Proc. ACM Hum.-Comput. Interact. 6, CSCW2, 2022, doi.org/10.1145/3555569*

3. <u>Xi Lu</u>, Edison Thomaz, and Daniel A. Epstein, "Understanding People's Perceptions of Approaches to Semi-Automated Dietary Monitoring", *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2022, doi.org/10.1145/3550288*

4. <u>Xi Lu</u>, Yunan Chen, and Daniel A. Epstein, "A Model of Socially Sustained Self-Tracking for Food and Diet", *PACM Human-Computer Interaction 5, CSCW2, 2021, doi.org/10.1145/3479595*

5. Daniel A. Epstein, Clara Caldeira, Mayara Costa Figueiredo, <u>Xi Lu</u>, Lucas M. Silva, Lucretia Williams, Jong Ho Lee, Qingyang Li, Simran Ahuja, Qiuer Chen, Payam Dowlatyari, Craig Hilby, Sazeda Sultana, Elizabeth V. Eikey, and Yunan Chen, "Mapping and Taking Stock of the Personal Informatics Literature", *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2020, doi.org/10.1145/3432231*

Lightly-Reviewed Publications

1. Qingxiao Zheng, <u>Xi Lu</u>, Qiao Jin, Jitesh Jain, Hedda Meadan-Kaplansky, Humphrey Shi, Jinjun Xiong, and Yun Huang, "Towards Responsible Use of Large Multi-Modal AI to Analyze Human Social Behaviors", *CSCW2024 Companion - SIG (CSCW), 2024*

2. Lika Haizhou Liu, <u>Xi Lu (Co-First Author)</u>, Richard Martinez, Dennis Wang, Fannie Liu, Andrés Monroy-Hernández, and Daniel A. Epstein, "Mindful Garden: Supporting Reflection on Biosignals in a Co-Located Augmented Reality Mindfulness Experience", *CSCW2022 Companion - Demo (CSCW), 2022, doi.org/10.1145/3500868.3559708*

3. <u>Xi Lu</u>, and Daniel A. Epstein, "Considering the Role of Personal Informatics Systems in Technology Ecosystems for Complex Health", *CHI 2022 Workshop - Designing Ecosystems for Complex Health Needs (CHI EA), 2022*

4. <u>Xi Lu</u>, Sruthi Ramabadran, Edison Thomaz, and Daniel A. Epstein, "Exploring Tradeoffs in the Design Space of Human-Centered Semi-Automated Food Journaling", *CHI 2021 Workshop - Future of Human-Food Interaction (CHI EA), 2021*

5. <u>Xi Lu</u>, Xiaohang Liu, and Erik Stolterman Bergqvist, ""It sounds like she is sad" Introducing a Biosensing Prototype that Transforms Emotions into Real-time Music and Facilitates Social Interaction", *Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA), 2019, doi.org/10.1145/3290607.3312784*

Activities and Awards

• Selected, Rising Stars in EECS workshop	2023
• 2023-24 Informatics Dissertation Fellowship, UCI	2023-2024
• ICS Steckler Family Endowed Fellowship, UCI ($10,000 quarterly * 3 quarters)	2022-2023
• Snap Creative Challenge Participant	2021
• CRA-WP Grad Cohort for Women, Computing Research Association	2021
• Informatics Chair's Award, UCI ($2,500)	2019
• Best Paper Honorable Mention, CHI	2019

Teaching and Mentoring

- **Instructor** at University at Buffalo — 08/2024–current
  Internet, Computing, and Society (CSE 199), Fall 2024

- **Teaching Assistant** at University of California, Irvine — 10/2019–05/2022
  INNOVATIONS IN HCID (IN4MATX 286), Summer 2022
  USER EXP & INTERACT (SWE 263P), Spring 2020
  PROJ IN HCI & EVAL (IN4MATX 132), Winter 2020
  Human Computer Interaction (IN4MATX 131), Fall 2019

- **Associate Instructor** at Indiana University Bloomington — 08/2017–05/2019
  Interaction Design Methods (INFO 543), Spring 2019
  Interaction Design Practice (INFO 541), Fall 2018
  HCI/Interaction Design (INFO 300), Summer 2018
  Prototype Lab, 2017-2018

- **Research Mentorship**
  Jacquelyn Eleanor Powell (University of California, Irvine Informatics Undergraduate), 2022-2023
  David Du (Northwestern University Graduate), 2023
  Sruthi Ramabadran (University of California, Irvine Psychology Undergraduate), 2020-2021
  Seora Park (Seoul National University Graduate), 2020-2021

Service

- **Program Committee Member**
  CHI Program Committee, 2024
  IEEE International Conference on Healthcare Informatics, 2024
  CSCW Poster Venue Program Committee, 2023
  CHI Late-Breaking Work (LBW) Program Committee, 2023-2024

- **Conference and Journal Reviewer**
  ACM Conference on Human Factors in Computing Systems (CHI), 2022-2024
  ACM Computer-Supported Cooperative Work and Social Computing (CSCW), 2020-2023
  ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2023
  ACM International Conference on Supporting Group Work (GROUP), 2022

Presentations

- **Conference Presentations**
  "Unpacking the Lived Experience of Collaborative Pregnancy Tracking" (CHI 2024)
  "Understanding Cultural Influence on Perspectives around Contact Tracing Strategies" (CSCW 2022)
  "Understanding People's Perceptions of Approaches to Semi-Automated Dietary Monitoring" (Ubicomp 2022)
  "A Model of Socially Sustained Self Tracking for Food and Diet" (CSCW 2021)
  "Comparing Perspectives around Human and Technology Support for Contact Tracing" (CHI 2021)
  "How Cultural Norms Influence Persuasive Design: A Study on Chinese Food Journaling Apps" (DIS 2021)

- **Guest Lecturer**
  "Mixed-Methods in HCI" (IN4MATX 231, University of California, Irvine, 11/2022)