





Yuhan Liu

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Research Interest	Human-Computer Interaction, Social Computing, Decentralized Sociotechnical Systems	
Education	<i>Ph.D. in Computer Science</i>	2022-current
	Princeton University	Princeton, USA
	Advised by Dr. Andrés Monroy-Hernández	
	<i>Master of Information Systems Management</i>	2019-2020
	Carnegie Mellon University	Pittsburgh, USA
	<i>B.Eng. Software Engineering</i>	2015-2019
	Tianjin University	Tianjin, China
Publications	<i>Peer-reviewed Papers</i>	
	<ol style="list-style-type: none">3. Mapping the Landscape of Independent Food Delivery Service in the United States. Yuhan Liu*, Amna Liaqat*, Owen Xingjian Zhang, Mariana Consuelo Fernandez Espinosa, Ankhitha Manjunatha, Alexander Yang, Orestis Papakyr-iakopoulos, Andrés Monroy-Hernández. CSCW 20242. Understanding Human Intervention in the Platform Economy: A case study of an indie food delivery service. Samantha Dalal, Ngan Chiem, Nikoo Karbassi, Yuhan Liu, Andrés Monroy-Hernández. CHI 20231. Comparing Experts and Novices for AI Data Work: Insights on Allocating Human Intelligence to Design a Conversational Agent. Lu Sun, Yuhan Liu, Grace Joseph, Zhou Yu, Haiyi Zhu, Steven P. Dow. HCOMP 2022	
	<i>Workshop Papers</i>	
	<ol style="list-style-type: none">1. Should Policymakers be Involved? Understanding the Opinions and Needs for Independent Food Delivery Platforms in the United States regarding Public Policy. Yuhan Liu, Amna Liaqat, Andrés Monroy-Hernández. CHI 2023 Workshop Designing Technology and Policy Simultaneously: Towards A Research Agenda and New Practice	
	<i>Patents</i>	
	<ol style="list-style-type: none">2. Comprehensive identification-based intelligent classification traditional garbage can reforming device. CN Patent 109264255A Filed October 17, 2018, and issued January 25, 2019.	

1. **Intelligent classifying garbage can based on image recognition technology.**
CN Patent 109305490A
Filed October 14, 2018, and issued February 5, 2019

In Submission

4. **GigHub: Designing Physical Infrastructure for Gig Workers**
Yuhan Liu, Shirley Dongwei Chen, Andrés Monroy-Hernández
3. **BÆ-I: An LLM-powered Game to Mediate Conversations in Long-Distance Relationships.**
Christine Sun, Harvey Wang, Ambri Ma, Alison Yuk-Fung Lee, Yuhan Liu, Parastoo Abtahi, Andrés Monroy-Hernández.
2. **Understanding How People Use Decentralized Social Media: a Case Study of Mastodon**
Yuhan Liu, Jewel Merriman, Andrés Monroy-Hernández
1. **Agent-based Simulation for Online Mental Health Matching.**
Yuhan Liu*, Anna Fang*, Robert E. Kraut, Glen Moriarty, Haiyi Zhu.

Research Experience

Research Assistant 2021-current
[PrincetonHCI Lab](#) Princeton University
Research Supervisor: [Dr. Andrés Monroy-Hernández](#)
Research Topics: Future of Work, Decentralized Social Media

Research Assistant 2020
Social AI Group Carnegie Mellon University
Research Supervisor: [Dr. Haiyi Zhu](#), [Dr. Robert E. Kraut](#)
Research Topics: Online Communities, Agent-Based Modeling

Research Assistang 2021
Social AI Group Carnegie Mellon University
Research Supervisor: [Dr. Haiyi Zhu](#), [Dr. Steven P. Dow](#)
Research Topics: Crowdsourcing, Conversational Agent

Employment

Research Intern 2022
[Palette Labs](#) Remote
• Designed and developed protocols for decentralized food delivery network

Teaching

Princeton University • *Teaching Assistant & Preceptor*
• COS 436: Human-Computer Interaction FA23
Carnegie Mellon University • *Teaching Assistant*
• 95760: Decision Making Under Uncertainty FA20
• 46902: Financial Computing SP20

Honors and Awards

First year Fellowship in Natural Sciences and Engineering 2022
\$100,410, Princeton University
Graduate Fellowship in Data-Driven Social Science 2023, 2024
\$2,400, Princeton University

**Academic
Service**

Reviewer

- Creativity & Cognition 2024
- The Web Conf 2024
- CSCW 2022, 2023
- CHI 2022, 2023

Student Volunteer

CSCW 2022, 2023

Others

- [HCI.SOCIAL](#) Mastodon Instance: Admin & Moderator
- Decentralized Social Media Workshop: Organizer 2024

Skills

Programming Languages: Python, Java, Javascript, C++, PHP, C#, Solidity
Tools: Git, Figma, Google Cloud Platform, Docker