Yuhan Liu

Contact

📞 +1-412-482-7318   🔗 liuyuhan1997.github.io

✉ yl8744@princeton.edu   🎓 Google Scholar

Research Interest

Human-Computer Interaction, Social Computing, Decentralized Sociotechnical Systems, Future of Work

Education

Ph.D. Candidate in in Computer Science   2022-current
Princeton University   Princeton, USA
Advised by Dr. Andrés Monroy-Hernández

Master of Information Systems Management   2019-2020
Carnegie Mellon University   Pittsburgh, USA

B.Eng. Software Engineering   2015-2019
Tianjin University   Tianjin, China

Publications

Peer-reviewed Papers

6. **Understanding Decentralized Social Feed Curation on Mastodon**
Yuhan Liu, Emmy Song, Owen Xingjian Zhang, Jewel Merriman, Lei Zhang, Andrés Monroy-Hernández
Conditionally Accepted at CSCW 2025

5. **Exploring the Design Space of Real-time LLM Knowledge Support Systems: A Case Study of Jargon Explanations**
Yuhan Liu, Aadit Shah, Jordan Ackerman, Manaswi Saha
Conditionally Accepted at CHI 2025

4. **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 Papakyriakopoulos, Andrés Monroy-Hernández.
CSCW 2024

3. **Exploring Trade-offs for Online Mental Health Matching: An Agent-Based Modeling Study.**
Yuhan Liu*, Anna Fang*, Glen Moriarty, Cristopher Firman, Robert E. Kraut, Haiyi Zhu.
JMIR Formative Research 2024

2. **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 2023

1. **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

Workshop Papers

3. **Dr. GPT in Campus Counseling: Understanding Higher Education Students' Opinions on LLM-assisted Mental Health Services**
Owen Xingjian Zhang, Shuyao Zhou, Jiayi Geng, <u>Yuhan Liu</u>, Sunny Xun Liu
CSCW 2024 Workshop
Envisioning New Futures of Positive Social Technology: Beyond Paradigms of Fixing, Protecting, and Preventing

2. **Evaluating Fairness in Black-box Algorithmic Markets: A Case Study of Ride Sharing in Chicago.**
<u>Yuhan Liu</u>, Yuhan Zheng, Siyuan Zhang, Lydia T. Liu
ICML 2024 Workshop
Humans, Algorithmic Decision-Making and Society: Modeling Interactions and Impact

1. **Should Policymakers be Involved? Understanding the Opinions and Needs for Independent Food Delivery Platforms in the United States regarding Public Policy.**
<u>Yuhan Liu</u>, Amna Liaqat, Andrés Monroy-Hernández.
CHI 2023 Workshop
Designing Technology and Policy Simultaneously: Towards A Research Agenda and New Practice

Patents

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

1. **Comprehensive identification-based intelligent classification traditional garbage can reforming device.**
CN Patent 109264255A
Filed October 17, 2018, and issued January 25, 2019.

In Submission

2. **Designing Physical Infrastructure to Support Gig Workers' Work-adjacent Activities**
<u>Yuhan Liu</u>, Shirley Dongwei Chen, Andrés Monroy-Hernández

1. **Loose Collaboration and Messy Entanglements: A Designer's Journey of Co-Creation Across Space and Time**
Shirley Dongwei Chen, <u>Yuhan Liu</u>, Andrés Monroy-Hernández

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   2021
Social AI Group   Carnegie Mellon University
Research Supervisor: Dr. Haiyi Zhu, Dr. Robert E. Kraut
Research Topics: Online Communities, Agent-Based Modeling

Research Assistant   2020
Social AI Group   Carnegie Mellon University

Research Supervisor: Dr. Haiyi Zhu, Dr. Steven P. Dow
Research Topics: Crowdsourcing, Conversational Agent

Employment	*Research Scientist Intern*	2024
	Accenture	NJ
	Research Scientist Intern	2023
	Palette Labs	Remote

Teaching

Princeton University • *Teaching Assistant & Preceptor*

- COS 436: Human-Computer Interaction — FA23, FA24
- EGR 371: Designing the Future of Work — SP25

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
$100,410, Princeton University — 2022

Graduate Fellowship in Data-Driven Social Science
$3,600, Princeton University — 2023, 2024

SEAS Travel Grant
$350, Princeton University — 2024

Special Recognitions for Outstanding Reviews
Creativity & Cognition — 2024

Academic Service

Associate Chair
- CHI LBW 2025
- Creativity & Cognition 2025

Reviewer
- CHI 2025
- The Web Conf 2024, 2025
- Mensch und Computer 2024
- UIST 2024
- CSCW 2024
- DIS 2024
- Creativity & Cognition 2024
- CHI LBW 2022, 2023
- CSCW Poster 2022

Student Volunteer
- UIST 2024
- CSCW 2022, 2023

Others

- HCI.SOCIAL Mastodon Instance: Admin & Moderator
- Princeton Micro Blogs Mastodon Instance: Admin & Moderator
- Decentralized Social Media Workshop 2024: Organizer

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