YUHAN LIU

(412)482-7318
yl8744@princeton.edu
35 Olden St, Princeton, NJ 08544

EDUCATION

2022 - current	**Princeton University, Princeton, NJ**
	Ph.D. in Computer Science, advised by Dr. Andrés Monroy-Hernández
2019 - 2020	**Carnegie Mellon University, Pittsburgh, PA**
	M.S. in Information Systems Management
2019 - 2020	**Tianjin University, Tianjin China Engineering**
	B.Eng in Software Engineering

CONFERENCE PUBLICATIONS

[P1] Lu Sun, **Yuhan Liu**, Grace Joseph, Zhou Yu, Haiyi Zhu, Steven P Dow *Comparing Experts and Novices for AI Data Work: Insights on Allocating Human Intelligence to Design a Conversational Agent.* In Proceedings of the AAAI Conference on Human Computation and Crowdsourcing (HCOMP' 22).

[P2] **Yuhan Liu***, Anna Fang*, Robert E. Kraut, Glen Moriarty, Haiyi Zhu *Agent-based Simulation for Online Mental Health Matching.* (Under submission to JMIR)

[P3] Samantha Dalal, Ngan Chiem, Nikoo Karbassi, **Yuhan Liu,** Andrés Monroy-Hernández. *Understanding Human Intervention in the Platform Economy: A case study of an indie food delivery service.* To appear in Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. (CHI' 23)

[P4] **Yuhan Liu***, Amna Liaqat*, Xingjian Zhang, Mariana Fernandez, Ankhitha Manjunatha, Alexander Yang, Orestis Papakyriakopoulos, Andrés Monroy-Hernández. *Mapping the Landscape of Independent Food Delivery Service in the United States.* (Under major revision of CSCW' 24)

WORKSHOP PUBLICATIONS

[W1] **Yuhan Liu**, Amna Liaqat, Andrés Monroy-Hernández. *Should Policymakers be Involved? Understanding the Opinions and Needs for Independent Food Delivery Platforms in the United States regarding Public Policy.* Workshop on Designing Technology and Policy Simultaneously: Towards A Research Agenda and New Practice. (CHI' 23)

PATENTS

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

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

RESEARCH EXPERIENCE

09/2022 - current	**PrincetonHCI Lab, Princeton University**
	Pre-Doctoral Research Assistant & Ph. D. Student
	Research Supervisor: Dr. Andrés Monroy-Hernández
	Research Topics: the Future of Work ([P3], [P4], [W1]), Federated Social Media

06/2021 - 09/2021	**Social AI Lab, Carnegie Mellon University**
	Research Associate
	Research Supervisor: Dr. Haiyi Zhu, Dr. Robert E. Kraut
	Research Topic: Online Community, Agent-based Modeling ([P2])

05/2020 - 12/2020	**Social AI Lab, Carnegie Mellon University**
	& ProtoLab, UC San Diego
	Research Assistant
	Research Supervisor: Dr. Haiyi Zhu, Dr. Steven P. Dow
	Research Topic: Crowdsoucing, Conversational Agent ([P1])

03/2018 - 07/2018	**Innovation and Entrepreneurship Center, Tianjin University**
	Research Assistant
	Research Supervisor: Dr. Jianrong Wang
	Research Topic: Internet of Things ([1], [2])

PROFESSIONAL EXPERIENCE

10/2020 – 02/2021	**Part-time Software Developer Engineer**
	Ronghuo, Remote

- Created a platform for resources collecting and exchanging among Overwatch players with over 40,000 users (www.ronghuogame.com).
- Designed a gig artist platform for content contributors to present fan-made artwork.

TA EXPERIENCE

09/2020 - 12/2020	**Teaching Assistant - Decision Making Under Uncertainty**
	Carnegie Mellon University, Pittsburgh, PA

01/2020 - 03/2020	**Teaching Assistant - Financial Computing**
	Carnegie Mellon University, Pittsburgh, PA

HONORS AND AWARDS

2022	**First year Fellowship in Natural Sciences and Engineering**
	$100,410, Princeton University

ACADEMIC SERVICE

CHI' 23	Late-Breaking Work Reviewer
CHI' 22	Late-Breaking Work Reviewer
CSCW' 22	Student Volunteer
CSCW' 22	Poster Reviewer

COMPUTER SKILLS

Programming languages: JavaScript, HTML, CSS, Python, Java, SQL, PHP, C++, C#
Tools: jQuery, Linux, Flask, Google Cloud Platform, Git, Figma, Spark, AWS, Docker, Flutter, React