

KYRIE ZHIXUAN ZHOU

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RESEARCH INTERESTS

AI Ethics, Usable Security and Privacy, Inclusive Design, HCI

EDUCATION

University of Illinois at Urbana-Champaign, Champaign, IL August 2020 - Present
PhD in Information Sciences

- Advisors: Dr. Madelyn Sanfilippo and Dr. Ted Underwood
- GPA: 3.89/4.00

Wuhan University, Wuhan, China September 2016 - June 2020
BEng in Computer Science (with honors)

- Advisor: Dr. Chenliang Li
- GPA: 3.60/4.00
- Thesis: Rumor detection on social media using graph neural networks

APPOINTMENTS

Research Assistant, IBM-ILLINOIS Center for Cognitive Computing Systems Research, advised by Dr. Jinjun Xiong, Apr-Dec 2021.

Research Assistant, University of Illinois, advised by Dr. Yang Wang, Aug 2020-May 2023.

Applied Research Intern, Tencent. Apr-Aug 2020.

Research Assistant, University of Maryland, advised by Dr. Furong Huang. Aug-Oct 2019.

Research Assistant, Westlake University, advised by Dr. Yue Zhang. Jun-Jul 2019.

Research Assistant, Fudan University, advised by Dr. Xianghua Ding. May-Dec 2019.

Research Intern, Zall Research Institute of Smart Commerce. Apr-Jun 2019.

Part-time Research Associate, Bytedance. Oct-Dec 2018.

Research Assistant, University of Wisconsin, advised by Dr. Justin Hsu. Sep-Dec 2018.

AWARDS AND HONORS

- 🏆 Recognition for Contribution to Diversity and Inclusion (15/263, 5.7%), CSCW, 2023
- Nominee (2 in total) for Apple PhD Fellowship in AI/ML, iSchool, UIUC, 2023
- SOUPS Student Grant (\$800), USENIX, 2023
- 🏆 Best Paper Award (11/678, 1.6%), HICSS, 2023
- Irwin Fellowship, UIUC, 2020
- Sharp Katharine Fellowship, UIUC, 2020
- Outstanding Graduate (24 out of 121, 20%), Hongyi Honor College, Wuhan University, 2020
- Candidate for Top 10 Students of Wuhan University, 2020
- Honorable Mention in Mathematical Contest In Modeling (MCM) as Student Advisor, 2019

- Academic Travel Grant (~\$1,000), Hongyi Honor College, Wuhan University, 2019
- Special Overseas Scholarship (~\$14,000), Wuhan University, 2018-2019
- Outstanding Student Award, Hongyi Honor College, Wuhan University, 2018
- Freshman Scholarship, Wuhan University, 2016

PUBLICATIONS

* indicates equal contribution. ** indicates corresponding author. For more updated information, please refer to my [[website](#)] or [[google scholar](#)].

29. [Draft] **Kyrie Zhixuan Zhou** and Madelyn Rose Sanfilippo. 2023. **Public Perceptions of Gender Bias in Large Language Models: Cases of ChatGPT and Ernie**. [News]
28. [Draft] Allison Sinnott and **Kyrie Zhixuan Zhou**. 2023. **How NFT Collectors Experience Online NFT Communities: A Case Study of Bored Ape**.
27. [Draft] Zachary Kilhoffer, **Kyrie Zhixuan Zhou**, Pilyoung Kim, Yun Huang, Tom Yeh, and Yang Wang. 2023. Learning From Experience: Designing AI And Cybersecurity Ethics Labs For High Schoolers.
26. [Draft] Luyao Zhang, Yutong Sun, Yutong Quan, Jiaxun Cao, **Kyrie Zhou**, and Xin Tong. 2024. Leveraging Social Media Sentiments and Ethical Signals for NFT Valuation. *Submitted to CfC St. Moritz Academic Research Track (CfC-SMART)*.
25. [Information Matters] **Kyrie Zhixuan Zhou**, Madelyn Rose Sanfilippo, and Allison Sinnott. 2023. **Toward Ethical Use of Generative AI in AP Courses**. *In Information Matters*.
24. [arXiv '23 (forced withdrawal due to political interference)] Na Yang, **Kyrie Zhixuan Zhou**, and Yunzhe Li. 2023. **How People Perceive The Dynamic Zero-COVID Policy: A Retrospective Analysis From The Perspective of Appraisal Theory**. *Submitted to and withdrawn from 19th iConference*.
23. [UIUC iSchool Research Showcase '23] **Kyrie Zhixuan Zhou**, Jiaxun Cao, Xiaowen Yuan, Daniel E. Weissglass, Zachary Kilhoffer, Madelyn Rose Sanfilippo, and Xin Tong. 2023. **"I'm Not Confident in Debiasing AI Systems Since I Know Too Little": Teaching AI Creators About Gender Bias Through Hands-on Tutorials**. *In UIUC iSchool 2023 Research Showcase*.
22. [U.S. Copyright Office '23] Gowri Saini Balasubramaniam, Sara Rachel Benson, Anita Say Chan, Keith Jacobs, Karen V. Jenkins, Smirity Kaushik, Jiaqi Ma, Madelyn Rose Sanfilippo, Eryclis Rodrigues Bezerra Silva, Emmy Tither, Michael Twidale, Ted E. Underwood, Yaman Yu, and **Kyrie Zhou** (alphabetical order). 2023. **Copyright and Artificial Intelligence (AI)**. *Policy comment presented to U.S. Copyright Office*.
21. [NLP4DH '23] **Kyrie Zhixuan Zhou***, Bingqing Liu*, Danlei Zhu*, and Jaihyun Park. 2023. **Uncovering Gender Stereotypes in Video Game Character Designs: A Multi-Modal Analysis of Honor of Kings**. *In 3rd International Conference on Natural Language Processing for Digital Humanities (NLP4DH)*.
20. [CSCW Workshop '23] Weirui Peng, Mengyi Wei, and **Kyrie Zhixuan Zhou**. 2023. **Enhancing User Engagement in AI Auditing Through Gamification and Storytelling**. *In Supporting User Engagement in Testing, Auditing, and Contesting AI Workshop co-located with CSCW*.
19. [CSCW '24] Yunpeng Xiao, Bufan Deng, Siqi Chen, **Kyrie Zhixuan Zhou**, Luyao Zhang, RAY LC, and Xin Tong. 2024. **"Centralized or Decentralized?": Concerns and Value Judgments of Stakeholders in the Non-Fungible Tokens (NFTs) Market**. *In 27th ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW)*.
18. [IDC Workshop '23] Lyumanshan Ye and **Kyrie Zhixuan Zhou**. 2023. Children-Chatbot Collaboration for Enhancing Language Skills for Children with ASD. *In Designing AI Interfaces for Children with Special Needs in Educational Contexts Workshop co-located with IDC*.

17. [CSCW '23] **Kyrie Zhixuan Zhou**, Bohui Shen, Franziska Zimmer, Chuanli Xia, and Xin Tong. 2023. **More Than a Wife and a Mom: A Study of Mom Vlogging Practices in China**. In *26th ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW)*. [TL;DR]
16. [NTIA '23] Zachary Kilhoffer, Anita Nikolich, Madelyn Rose Sanfilippo, and **Zhixuan Zhou** (alphabetical order). 2023. **AI Accountability Policy**. *Policy comment presented to National Telecommunications and Information Administration (NTIA)*.
15. [SOUPS '23] **Zhixuan Zhou***, Tanusree Sharma*, Luke Emano, Sauvik Das, and Yang Wang. 2023. **Iterative Design of An Accessible Crypto Wallet for Blind Users**. In *19th Symposium on Usable Privacy and Security (SOUPS)*.
14. [USENIX Security '23] Tanusree Sharma, **Zhixuan Zhou**, Andrew Miller, and Yang Wang. 2023. **A Mixed-Methods Study of Security Practices of Smart Contract Developers**. In *32nd USENIX Security Symposium*. [News]
13. [ICDCS Workshop '23] Andreea-Elena Drăgnoiu, Moritz Platt, Zixin Wang, and **Zhixuan Zhou**. 2023. **The More You Know: Energy Labelling Enables More Sustainable Cryptocurrency Investment**. In *1st Workshop on Fintech and Decentralized Finance (FiDeFix) co-located with ICDCS*.
12. [IC2S2 '23] **Zhixuan Zhou**, Jiao Sun, Jiaxin Pei, Nanyun Peng, Jinjun Xiong, and Yang Wang. 2023. **A Moral- and Event- Centric Discovery of Gender Bias in Fairy Tales at A Large Scale**. In *9th International Conference on Computational Social Science (IC2S2)*.
11. [CSCW '23] Xinru Tang, Xianghua Ding, and **Zhixuan Zhou**. 2023. **Towards Equitable Online Participation: A Case of Older Adult Content Creators' Role Transition on Short-form Video Sharing Platforms**. In *26th ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW)*. [News1] [News2] (🏆 **Recognition for Contribution to Diversity and Inclusion, 15/263, 5.7%**)
10. [HCI International '23] **Zhixuan Zhou***, Zhixin Shi*, Abhinav Choudhry, Mengyi Wei, Xiang Chen, and Bohui Shen. 2023. **Ethical Concerns of COVID-19 Contact Tracing: A Narrative Review**. In *25th International Conference on Human-Computer Interaction (HCI International)*.
9. [iConference '23] Xiang Chen, Jiamu Xie, Zixin Wang, Bohui Shen, and **Zhixuan Zhou****. 2023. **How We Express Ourselves Freely: Censorship, Self-censorship, and Anti-censorship on a Chinese Social Media**. In *18th iConference*. [News]
8. [CESC '22] **Zhixuan Zhou***, Tanusree Sharma*, Yun Huang, and Yang Wang. 2022. **"It's A Blessing and A Curse": Unpacking Creators' Practices with Non-Fungible Tokens (NFTs) and Their Communities**. In *Crypto Economics Security Conference (CESC)*.
7. [HICSS '23] Mengyi Wei and **Zhixuan Zhou**. 2023. **AI Ethics Issues in Real World: Evidence from AI Incident Database**. In *56th Hawaii International Conference on System Sciences (HICSS)*. [News1] [News2] [News3] (🏆 **Best Paper Award, 11/678, 1.6%**)
6. [HICSS '23] **Zhixuan Zhou**, Zixin Wang, and Franziska Zimmer. 2023. **Anonymous Expression in an Online Community for Women in China**. In *56th Hawaii International Conference on System Sciences (HICSS)*.
5. [S&P '23, SOUPS '23] Zachary Kilhoffer, **Zhixuan Zhou**, Firmiana Wang, Fahad Tamton, Yun Huang, Pilyoung Kim, Tom Yeh, and Yang Wang. 2023. **"How technical do you get? I'm an English teacher": Teaching and Learning Cybersecurity and AI Ethics in High School**. In *44th IEEE Symposium on Security and Privacy (S&P)*. *Poster presentation in 19th Symposium on Usable Privacy and Security (SOUPS)*. [News]
4. [AHFE '22] **Zhixuan Zhou** and Bohui Shen. 2022. **Toward Understanding the Use of Centralized Exchanges for Decentralized Cryptocurrency**. In *13th International Conference on Applied Human Factors and Ergonomics (AHFE)*.

3. [HICSS '22, UIUC iSchool Research Showcase '21] **Zhixuan Zhou**, Xianghua Ding, Xinru Tang, and Yunan Chen. 2022. “I Prefer an Everyday Style and Dislike Big Food Fighters”: Integrating Foodshow into Everyday Life. In *55th Hawaii International Conference on System Sciences (HICSS)*. Poster presentation in UIUC iSchool 2021 Research Showcase.
2. [SmartCity '19] Zhiguo Zhou, Huiyu Cai, and **Zhixuan Zhou**. 2019. An Analysis of Pedestrians' Behavior in Emergency Evacuation Using Cellular Automata Simulation. In *17th IEEE International Conference on Smart City (SmartCity)*.
1. [ICAART '19, NeurIPS Workshop '19] **Zhixuan Zhou**, Huankang Guan, Meghana Moorthy Bhat, and Justin Hsu. 2019. Fake News Detection via NLP is Vulnerable to Adversarial Attacks. In *11th International Conference on Agents and Artificial Intelligence (ICAART)*. In *14th Women in Machine Learning Workshop (WiML) co-located with NeurIPS*.

PATENTS

2. **Zhixuan Zhou** and Cheng Deng. 2022. Automatic Auto Insurance Claiming Based on Computer Vision. *Chinese Patent: CN110443718B*.
1. **Zhixuan Zhou**. 2021. Fake News Detection Based on Knowledge Graphs. *Chinese Patent: CN110275965B*.

RESEARCH TALKS

- University of Illinois, “Teaching AI Creators About Gender Bias”
- University of Illinois, “Designing Accessibility Crypto Wallets for Blind Users”
- University of Illinois, “Gender Bias in Fairy Tales (Women’s Day)”
- University of Illinois, “AI Ethics: Academic and Industrial Practices”
- Duke Kunshan University, “AI Ethics: From Discovery to Education”
- University of Illinois, “AI Ethics: From Discovery to Education”
- Researching Web3 Workshop, “Accessible and Equitable Web3 for Everyone?”

TEACHING

Teaching Assistant, IS 567: Text Mining, UIUC. Fall 2023.

Teaching Assistant, IS 202: Social Aspects of Information Technology, UIUC. Fall 2022.

MENTORING

- Zhiyi Xiao, Independent Researcher
- Sundar Raghavan, University of Illinois at Urbana-Champaign
- Yuhan Liu, Tsinghua University
- Weirui Peng, Columbia University [CSCW Workshop 2023]
- Danlei Zhu, BNU-HKBU United International College [NLP4DH 2023]
- Bingqing Liu, Dalian Ocean University [NLP4DH 2023]
- Na Yang, Wuhan University
- Jingtian Jia, Librarian
- Lyumanshan Ye, Shanghai Jiao Tong University [IDC Workshop 2023]
- Yilin Zhu, Nanjing University of Posts and Telecommunications, now at CMU
- Allison Sinnott, East Meadow High School [Information Matters 2023]

- Jiaxun “Jessie” Cao, Duke Kunshan University
- Xiaowen Yuan, UC-Berkeley
- Yunpeng Xiao, University of Chinese Academy of Sciences, now at Illinois Institute of Technology [**CSCW 2024**]
- Zhixin Shi, Macau University of Science and Technology, now at Nanyang Technological University [**HCI International 2023**]
- Jiamu Xie, Wuhan University, now at UCSD [**iConference 2023**]
- Zixin Wang, Zhejiang University [**HICSS 2023, iConference 2023, FiDeFix 2023**]
- Luke Emano, University of Illinois at Urbana-Champaign [**SOUPS 2023**]

SERVICES

- **Conference PC member/reviewer:** FLLM 2023, UIUC iSchool Research Showcase 2023, USENIX Security 2024, CHI 2024, VR 2024, LREC-COLING 2024, iConference 2024, ICMI 2023, HAI 2023, HICSS 2024, EMNLP 2023, UbiComp/ISWC 2023, CSCW 2023, SAIS 2023, IUI 2023, ACL 2023, CHI Late-breaking Work 2023 (**Associate Chair**), ETRA 2023, VR 2023, CHI 2023, SRCO 2023, OzCHI 2022, TEI 2023, ISMAR 2022, HAI 2022, ICMI 2022, SUI 2022, UbiComp/ISWC 2022, CSCW 2023, VAHC/VISxAI@VIS 2022, VRST 2022, ISS 2022, CHI Play 2022, HICSS 2023, EMNLP 2022, COLING 2022, ACL ARR April 2022, ACL ARR January 2022, HCII 2022
- **Journal reviewer:** International Journal of Human-Computer Studies, ACM Transactions on Asian and Low-Resource Language Information Processing, Transactions on Dependable and Secure Computing, The Data Base for Advances in Information Systems, Financial Innovation, Chinese Journal of Communication, Frontiers in Research Metrics and Analytics, IEEE Transactions on Big Data
- **Community:** Volunteer, 11th International Symposium of Chinese CHI (Chinese CHI), 2023
Volunteer, 19th International Conference on Digital Preservation (iPRES), 2023
Judge, 2023 Undergraduate Research Symposium (Language, Culture & Society Track), UIUC, 2023
Member, Graduate Employees’ Organization, UIUC, 2023-Present
PhD Mentor, iSchool, UIUC, 2023
PhD Representative, Doctoral Studies Committee, iSchool, UIUC, 2022-Present

REFERENCES

- Dr. Madelyn Sanfilippo, Assistant Professor, School of Information Sciences, UIUC
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- Dr. Ted Underwood, Professor, School of Information Sciences, UIUC
tunder@illinois.edu
- Dr. Rachel F. Adler, Associate Professor, School of Information Sciences, UIUC
radler@illinois.edu
- Dr. Xin Tong, Assistant Professor, Data Science Research Center, Duke Kunshan University
xin.tong@dukekunshan.edu.cn
- Dr. Jinjun Xiong, Professor, Computer Science and Engineering, University at Buffalo
jinjun@buffalo.edu