Siqi Wu

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Research areas	Computational social science, social computing, crowdsourcing, network science, political polarization, digital media	
Academic appointments	**Indiana University** Bloomington, IN, USA *Assistant Professor*, Luddy School of Informatics, Computing, and Engineering	2024.08 - present
	University of Michigan Ann Arbor, MI, USA *Postdoctoral Research Fellow*, School of Information. Advisor: Paul Resnick	2021.01 - 2024.07
	Australian National University Canberra, ACT, Australia *Research Fellow*, School of Computing. Advisor: Lexing Xie	2020.09 - 2021.03
Education	**Australian National University** Canberra, ACT, Australia Ph.D. in Computer Science. Advisor: Lexing Xie	2016.06 - 2021.04
	University of Melbourne Melbourne, VIC, Australia M.S. in Information Technology	2013.07 - 2015.07
	Tianjin University Tianjin, China B.E. in Electronics Engineering	2008.09 - 2012.06

Awards

AAAI ICWSM Best Senior Program Committee 2022 – 2024

AAAI ICWSM Spotlight Paper 2021 ([7], top 8)

ACM CSCW Best Paper Honorable Mention 2019 ([11], top 5%)

Google PhD Fellowship 2018

NICTA PhD Scholarship 2016 – 2020

Publications   * Equal authorship

[1] **Wu, S.**, & Resnick, P. (2024). "Calibrate-Extrapolate: Rethinking Prevalence Estimation with Black Box Classifiers" In *Proceedings of the 18th International AAAI Conference on Web and Social Media* (ICWSM'24).

[2] Liu, A., **Wu, S.**, & Resnick, P. (2024). "How to Train Your YouTube Recommender to Avoid Unwanted Videos." In *Proceedings of the 18th International AAAI Conference on Web and Social Media* (ICWSM'24).

[3] Cai, Y., Xie, L., & **Wu, S.** (2023) "The Shapes of the Fourth Estate during the Pandemic: Profiling COVID-19 News Consumption in Eight Countries." *Proceedings of the 26th ACM Conference on Computer-Supported Cooperative Work* (CSCW'23).

[4] Pfeffer, P., Matter, D., Jaidka, K., ..., **Wu, S.**, ..., & Morstatter, F. (2023). "Just Another Day on Twitter: A Complete 24 Hours of Twitter Data." In *Proceedings of the 17th International AAAI Conference on Web and Social Media* (ICWSM'23).

[5] Lee, J.,* **Wu, S.**,* Ertugrul, A. M.,* Lin, Y.-R., & Xie, L. (2022). "Whose Advantage? Measuring Attention Dynamics across YouTube and Twitter on Controversial Topics." In *Proceedings of the 16th International AAAI Conference on Web and Social Media* (ICWSM'22).

[6] **Wu, S.**. (2022). "Measuring Collective Attention in Online Content." *ACM SIGWEB Newsletter*.

[7] ⚲ **Wu, S.**, & Resnick, P. (2021). "Cross-Partisan Discussions on YouTube: Conservatives Talk to Liberals but Liberals Don't Talk to Conservatives." In *Proceedings of the 15th International AAAI Conference on Web and Social Media* (ICWSM'21).

[8] Shin, M.,* Tran, A.,* **Wu, S.**,* Mathews, A., Wang, R., Lyall, G., & Xie, L. (2021). "AttentionFlow: Visualising Influence in Networks of Time Series." In *Proceedings of the 14th ACM International Conference on Web Search and Data Mining* (WSDM'21).

[9] **Wu, S.**, Rizoiu, M. A., & Xie, L. (2020). "Variation across Scales: Measurement Fidelity under Twitter Data Sampling." In *Proceedings of the 14th International AAAI Conference on Web and Social Media* (ICWSM'20).

[10] Cheng, L., Shu, K., **Wu, S.**, Silva, Y., Hall, D., & Liu, H. (2020). "Unsupervised Cyberbullying Detection via Time-Informed Gaussian Mixture Model." In *Proceedings of the 29th ACM International Conference on Information and Knowledge Management* (CIKM'20).

[11] ⚲ **Wu, S.**, Rizoiu, M. A., & Xie, L. (2019). "Estimating Attention Flow in Online Video Networks". *Proceedings of the 22nd ACM Conference on Computer-Supported Cooperative Work* (CSCW'19).

[12] **Wu, S.**, Rizoiu, M. A., & Xie, L. (2018). "Beyond Views: Measuring and Predicting Engagement in Online Videos." In *Proceedings of the 12th International AAAI Conference on Web and Social Media* (ICWSM'18).

[13] Kong, Q., Rizoiu, M. A., **Wu, S.**, & Xie, L. (2018). "Will This Video Go Viral? Explaining and Predicting the Popularity of Youtube Videos." In *WWW '18 Companion Proceedings of the The Web Conference* (WWW'18).

[14] **Wu, S.**, Morandini, L., & Sinnott, R. (2015). "SMASH: A Cloud-based Architecture for Big Data Processing and Visualization of Traffic Data." In *2015 IEEE International Conference on Data Science and Data Intensive Systems*.

Teaching	*Instructor* in IUB ILS Z639 "Social Media Mining" (2024FA)

Instructor in ICWSM tutorial "Prevalence Estimation in Social Media Using Black Box Classifiers" (2023, 2024)

Teaching Assistant in ANU COMP6490 "Document Analysis" (2017, 2018)

Teaching Assistant in ANU COMP1030 "Art of Computing" (2017)

Mentoring

Alexander Liu (UMich PhD)

Cai Yang (ANU undergraduate)

Professional services

ICWSM 2023 Poster, Demo, and Dataset Track Co-chair

ICWSM 2022 Student Volunteer and Scholarship Chair

Senior Program Committee

- ICWSM (2022 – 2025)

Conference Program Committee/Reviewer

- CSCW (2019 – 2025)
- CHI (2024, 2025)
- TheWebConf (2019, 2020, 2023, 2024)
- WebSci (2022 – 2024)

- IC2S2 (2023, 2024)
- CIKM (2023, 2024)
- CCS (2024)
- ICIS (2022, 2023)
- ASONAM (2021, 2022)
- ICWSM (2017, 2018, 2021)
- AAAI (2019)

Ad Hoc Journal Reviewer

- EPJ Data Science
- Collective Intelligence
- Social Science Computer Review
- ACM Transactions on Information Systems
- Communication Methods and Measures

Invited talks	Gradient Institute, Jul 2022	
	UChicago Human+AI Lab, Nov 2021	
	Meta Core Data Science, Aug 2021	
	Tsinghua Future Intelligence Lab, May 2021	
	Google PhD Summit, Jul 2019	
	ANU CECS Winter School, Jul 2019	
Industry experience	**MicroStrategy** Hangzhou, Zhejiang, China *Software Engineer*, Big Data Engine team	2015.09 - 2016.05
	Baidu Beijing, China *Software Developer Intern*, Baidu Maps team	2014.12 - 2015.02