

Siqi Wu

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Research areas Computational social science; social computing; network science; content consumption; political polarization; digital media; data quality


Academic appointments **University of Michigan** Ann Arbor, MI, USA 2021.01 - present
Postdoctoral Research Fellow, School of Information. Advisor: Paul Resnick
Australian National University Canberra, ACT, Australia 2020.09 - 2021.03
Research Fellow, School of Computing. Advisor: Lexing Xie

Education **Australian National University** Canberra, ACT, Australia 2016.06 - 2021.04
Ph.D. in Computer Science. Advisor: Lexing Xie
University of Melbourne Melbourne, VIC, Australia 2013.07 - 2015.07
M.S. in Information Technology. Advisor: Richard Sinnott
Tianjin University Tianjin, China 2008.09 - 2012.06
B.E. in Electronics Engineering. Advisor: Yugong Wu

Awards AAAI ICWSM Best Senior Program Committee 2022, 2023
AAAI ICWSM Spotlight Paper 2021 ([4], top 8)
ACM CSCW Best Paper Honorable Mention 2019 ([6], top 5%)
Google PhD Fellowship 2018
NICTA PhD Scholarship 2016 – 2020

Selected publications Below are a few representative publications. For a full list, see my Google Scholar page
<https://scholar.google.com/citations?user=xUgVEuAAAAAJ>
* Equal authorship ^ Corresponding author

- [1] Liu, A., **Wu, S.**, & Resnick, P. (2024). “How to Train Your YouTube Recommender to Avoid Unwanted Videos.” To appear in *the 18th International AAAI Conference on Web and Social Media (ICWSM’24)*.
- [2] 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)*.
- [3] 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.” *Proceedings of the 16th International AAAI Conference on Web and Social Media (ICWSM’22)*.
- [4]  **Wu, S.**, & Resnick, P. (2021). “Cross-Partisan Discussions on YouTube: Conservatives Talk to Liberals but Liberals Don’t Talk to Conservatives.” *Proceedings of the 15th International AAAI Conference on Web and Social Media (ICWSM’21)*.
- [5] **Wu, S.**, Rizoiu, M. A., & Xie, L. (2020). “Variation across Scales: Measurement Fidelity under Twitter Data Sampling.” *Proceedings of the 14th International AAAI Conference on Web and Social Media (ICWSM’20)*.

- [6]  **Wu, S.**, Rizoio, 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)*.
- [7] **Wu, S.**, Rizoio, M. A., & Xie, L. (2018). “Beyond Views: Measuring and Predicting Engagement in Online Videos.” *Proceedings of the 12th International AAAI Conference on Web and Social Media (ICWSM’18)*.

Working papers

- [1] **Wu, S.**, & Resnick, P. “Calibrate-Extrapolate: Rethinking Prevalence Estimation with Black Box Classifiers” (under review)
- [2] Resnick, P., **Wu, S.**, & Lyapota, V. “The H|O|T News Comments Metric.”
- [3] **Wu, S.**, Rajadesingan, A., Budak, C., Garrett, K., Sude, D., & Resnick, P. “ACT: Active Crowd Training for Crowdsourced Labeling.”

Teaching

Instructor in ICWSM 2023 tutorial “Prevalence Estimation in Social Media Using Black Box Classifiers” (2023)

Teaching Assistant in ANU course COMP6490 “Document Analysis” (2017, 2018)

Teaching Assistant in ANU course COMP1030 “Art of Computing” (2017)

Mentoring

Alexander Liu (UMich PhD)

Zain Padamsee (Bowdoin College undergrad)

Cai Yang (ANU undergraduate) → Saarland University/Max Planck Institute

Professional services

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

ICWSM 2022 Student Volunteer and Scholarship Chair

Senior Program Committee

- ICWSM (2022 – 2024)

Conference Program Committee/Reviewer

- TheWebConf (2019, 2020, 2023, 2024)
- WebSci (2022 – 2024)
- IC2S2 (2023, 2024)
- CHI (2024)
- CSCW (2019 – 2023)
- ICIS (2022, 2023)
- CIKM (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

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 <i>Software Engineer</i> , Big Data Engine team	2015.09 - 2016.05
	Baidu Beijing, China <i>Software Developer Intern</i> , Baidu Maps team	2014.12 - 2015.02
Miscellaneous	Co-organized the Computational Media Lab winter workshop 2019	
	Long-distance running: 60+ (ultra) marathons finisher, 2:42 marathoner	