

Siqi Wu

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<https://avalanchesiqi.github.io>

Research areas Computational social science; complex systems; crowdsourcing; online attention

Academic appointments

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|---|-------------------|
| University of Michigan Ann Arbor, MI, USA <i>Research Fellow</i> , Center for Social Media Responsibility | 2021.01 - present |
| Australian National University Canberra, ACT, Australia <i>Research Fellow</i> , Computational Media Lab | 2020.09 - 2021.03 |

Education


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| 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. Advisor: Richard Sinnott | 2013.07 - 2015.07 |
| Tianjin University Tianjin, China B.E. in Electronics Engineering. Advisor: Yugong Wu | 2008.09 - 2012.06 |

Awards

AAAI ICWSM Best Senior Program Committee 2022, 2023
AAAI ICWSM Spotlight Paper 2021
ACM CSCW Best Paper Honorable Mention 2019
Google PhD Fellowship 2018

Publications * Equal authorship

- [1] 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)*.
- [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.” In *Proceedings of the 26th ACM Conference on Computer-Supported Cooperative Work (CSCW)*.
- [3] Pfeffer, J., Matter, D., Jaidka, K., Varol, O., Mashhadi, A., Lasser, J., Assenmacher, D., **Wu, S.**, Yang, D., Brantner, C., Romero, D. M., Otterbacher, J., Schwemmer, C., Joseph, K., Garcia, D., & 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)*.
- [4] 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)*.
- [5] 🏆 **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)*. **Spotlight Paper (top 8)**
- [6] 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)*.

- [7] Cheng, L., Shu, K., **Wu, S.**, Silva, Y. N., Hall, D. L., & 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).
- [8] **Wu, S.**, Rizoïu, 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).
- [9]  **Wu, S.**, Rizoïu, M. A., & Xie, L. (2019). “Estimating Attention Flow in Online Video Networks”. In *Proceedings of the 22nd ACM Conference on Computer-Supported Cooperative Work* (CSCW). **Best Paper Honorable Mention (top 5%)**
- [10] **Wu, S.**, Rizoïu, 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).
- [11] Kong, Q., Rizoïu, M. A., **Wu, S.**, & Xie, L. (2018). “Will This Video Go Viral? Explaining and Predicting the Popularity of Youtube Videos.” In *Companion Proceedings of the The Web Conference* (WWW).
- [12] **Wu, S.**, Morandini, L., & Sinnott, R. O. (2015). “SMASH: A Cloud-Based Architecture for Big Data Processing and Visualization of Traffic Data.” In *Proceedings of the IEEE International Conference on Data Science and Data Intensive Systems* (DSDIS).

Teaching

Instructor in ICWSM 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)

Students

Alexander Liu (UMich PhD)

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

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

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

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| 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 20 100+km events, 60+(ultra) marathons finisher, 2:42 marathoner | |