

Siqi Wu

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RESEARCH INTEREST

I am broadly interested in measuring and modeling collective social behavior on the web and social media. My work lies in the fields of computational social science, social computing, and data mining.

EDUCATION

Australian National University, Canberra, ACT, Australia **2016.06 - 2020.06 (expected)**

- PhD in Computer Science, Data61/CSIRO affiliation, Google PhD Fellow.
- Advised by Prof. Lexing Xie, Dr. Marian-Andrei Rizoiu, and Dr. Cheng Soon Ong.
- Virtually visited the CSMR group in the University of Michigan, hosted by Prof. Paul Resnick.
- Thesis: Measuring collective attention in online content: Sampling, engagement, and network effects.

University of Melbourne, Melbourne, VIC, Australia **2013.07 – 2015.07**

- Master of Information Technology.
- Thesis: An architecture for big data processing and visualisation of traffic data.

Tianjin University, Tianjin, China **2008.09 – 2012.06**

- Bachelor of Electronics Engineering.

EMPLOYMENT

Software engineer | MicroStrategy, Inc., Hangzhou, Zhejiang, China **2015.09 - 2016.05**

- Big Data Engine team. Built Apache Spark alike engine to process massive data.

Intern, Software developer | Baidu, Inc., Beijing, China **2014.12 – 2015.02**

- Baidu Maps team. Developed a tool to collect realtime traffic status.

PUBLICATIONS

1. Variation across scales: Measurement fidelity under Twitter data sampling.
Wu, Rizoiu, and Xie. *ICWSM '20*. Full paper, AR=17%.
2. Estimating attention flow in online video networks.
Wu, Rizoiu, and Xie. *CSCW '19*. Full paper, **Honourable mention**, top 5%, AR=31%.
3. How is attention allocated? Data-driven studies of popularity and engagement in online videos.
Wu. *WSDM '19*. Doctoral consortium.
4. Beyond views: Measuring and predicting engagement in online videos.
Wu, Rizoiu, and Xie. *ICWSM '18*. Full paper, AR=16%.
5. Will this video go viral? Explaining and predicting the popularity of YouTube videos.
Kong, Rizoiu, **Wu**, and Xie. *WWW '18*. Demo.
6. SMASH: A cloud-based architecture for big data processing and visualization of traffic data.
Wu, Morandini, Sinnott. *DSDIS '15*. Full paper.

TEACHING

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- Teaching assistance: COMP6490 Document analysis ('17, '18), COMP1030 Art of computing ('17)

AWARDS

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- ANU Postgraduate Research Scholarship '20
 - ANU VC Travel Grant '20
 - Google PhD Fellowship '18
 - ICWSM Student Travel Scholarship '18
 - NICTA PhD Scholarship '16-'19
 - NICTA Research Project Award '16-'19
 - ANU HDR Fee Remission Merit Scholarship '16-'20

COMMUNITY SERVICE

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- External reviewer: ICWSM ('17, '18), WWW ('19, '20), AAAI ('19), CSCW ('19)

MISC.

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- Certificates: 16 MOOC courses, e.g., machine learning, social network analysis, algorithms, etc.
 - Running: ANU Inward Bound '17 winner, 18 100+km events and 50+ ultra marathons finisher.