

Siqi Wu

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RESEARCH INTERESTS

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

EDUCATION

Australian National University , Canberra, Australia	2016.06 — 2020.06 (expected)
- PhD in Computer Science, affiliated with Data61/CSIRO. Advised by Prof. Lexing Xie.	
University of Melbourne , Melbourne, Australia	2013.07 — 2015.07
- Master of Information Technology. Advised by Prof. Richard Sinnott.	
Tianjin University , Tianjin, China	2008.09 — 2012.06
- Bachelor of Electronics Engineering.	

EMPLOYMENT

Software engineer MicroStrategy, Inc , Hangzhou, Zhejiang, China	2015.09 — 2016.05
- Built a framework to process massive data, Big Data Engine team.	
Intern, Software developer Baidu, Inc , Beijing, China	2014.12 — 2015.02
- Developed a tool to collect realtime traffic status, Baidu Maps team.	

PROJECTS

Human attention in online videos ANU	2016.06 — present
- Understanding user attention allocation on YouTube, e.g., item-centric popularity and engagement.	
- Designed and maintained the system infrastructure to power data-driven studies in social media.	
- Short summary: Measuring Collective Attention in Online Content	
Big data architecture, analysis and visualisation AURIN	2015.03 — 2015.08
- Deployed in <i>Australian Urban Research Infrastructure Network</i> (AURIN) systems.	
- Set up a platform that consists of GeoSever, GeoMesa, Accumulo, Spark, Hadoop to process large spatio-temporal data and delivered an analysis on Melbourne migration movement.	

PUBLICATIONS

1. Variation across scales: Measurement fidelity under Twitter data sampling.
Wu, Rizoiu, and Xie. *ICWSM '20*.
2. Estimating attention flow in online video networks.
Wu, Rizoiu, and Xie. *CSCW '19*. **Honourable mention**.
3. Beyond views: Measuring and predicting engagement in online videos.
Wu, Rizoiu, and Xie. *ICWSM '18*.
4. Will this video go viral? Explaining and predicting the popularity of YouTube videos.
Kong, Rizoiu, **Wu**, and Xie. *WWW (Demo) '18*.
5. SMASH: A cloud-based architecture for big data processing and visualization of traffic data.
Wu, Morandini, Sinnott. *DSDIS '15*.

AWARDS

- 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

TEACHING AND SERVICE

- Teaching assistance: Document analysis ('17,'18), Art of computing ('17)
- External reviewer: ICWSM ('17,'18), WWW ('19,'20), AAAI ('19), CSCW ('19)

MISC

- 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.