

Siqi Wu

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RESEARCH INTERESTS

Measuring and modeling collective social behavior on web context.

EDUCATION

Australian National University, Canberra, Australia **2016.06 — present**
— PhD in Computer Science, affiliated with Data61/CSIRO. Advised by [Lexing Xie](#).
University of Melbourne, Melbourne, Australia **2013.07 — 2015.07**
— Master of Information Technology. Advised by [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**
- Integrated Apache Spark into MicroStrategy product, Big Data Engine team.
Intern, Software developer | Baidu, Inc, Beijing, China **2014.12 — 2015.02**
- Developed internal tool to collect realtime traffic status, Baidu Maps team.

PROJECTS

Human attention in online videos | ANU **2016.06 — present**
- Understanding attention allocation mechanism in YouTube, e.g., popularity, engagement and virality.
- Designed and maintained data infrastructure to power data-driven study in social media.
- Supported by US Air Force Office of Scientific Research (AFOSR).
Big data architecture, analysis and visualisation | AURIN **2015.03 — 2015.08**
- Deployed in *Australian Urban Research Infrastructure Network* (AURIN) systems.
- Set up an analytics 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. **Beyond Views: Measuring and Predicting Engagement in Online Videos**. S. Wu, M.A. Rizoïu, L. Xie. (ICWSM 2018).
2. **Will This Video Go Viral? Explaining and Predicting the Popularity of Youtube Videos**. Q. Kong, M.A. Rizoïu, S. Wu, L. Xie. (WWW 2018 Companion).
3. **SMASH: A cloud-based architecture for big data processing and visualization of traffic data**. R.O. Sinnott, L. Morandini, S. Wu. (DSDIS 2015).

AWARDS

- Google PhD Fellowship 2018
- NICTA PhD Scholarship and Research Project Award (2016-2019)

TEACHING AND SERVICE

- Teaching assistance: Document analysis (2017, 2018), Art of computing (2017)
- Sub-reviewer for ICWSM (2017, 2018)

MISC

- Certificates: [16 MOOC courses](#), e.g., machine learning, social network analysis, algorithms, etc.
- Endurance running: ANU [Inward Bound](#) winner, 14 100+km events and 40+ marathons finisher