

# Siqi Wu

+ (61) 402466359 | [siqi.wu@anu.edu.au](mailto:siqi.wu@anu.edu.au) | <http://users.cecs.anu.edu.au/~siqi.wu/>

## RESEARCH INTERESTS

Measuring and modeling collective social behaviors 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**  
- 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 in YouTube, e.g., video-level popularity and engagement.  
- Designed and maintained the system infrastructure to power data-driven studies in social media.  
**Big data architecture, analysis and visualisation | AURIN** **2015.03 — 2015.08**  
- Deployed in *Australian Urban Research Infrastructure Network* (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. [Estimating attention flow in online video networks](#). Wu, Rizoïu, and Xie. CSCW '19. **Honourable mention**.
2. [Beyond views: Measuring and predicting engagement in online videos](#). Wu, Rizoïu, and Xie. ICWSM '18.
3. [Will this video go viral? Explaining and predicting the popularity of YouTube videos](#). Kong, Rizoïu, Wu, and Xie. WWW (Demo) '18.
4. [SMASH: A cloud-based architecture for big data processing and visualization of traffic data](#). Sinnott, Morandini, Wu. DSDIS '15.

## AWARDS

- Google PhD Fellowship '18
- NICTA PhD Scholarship '16-'19
- NICTA Research Project Award '16-'19
- 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), AAI ('19), CSCW ('19)

## MISC

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