

## Summary

- Ph.D. candidate at Tsinghua University. Successfully published papers on using big data science & machine learning to characterize WiFi and education performances.
- Experienced with development of systems and software products. Led the design, development and promotion of 3 popular products at Tsinghua University.
- Leader of two science and technology related student organizations at Tsinghua.

## Education

**Ph.D. student** – 2012 to present (Expected graduation: July 2017)

Institute for Interdisciplinary Information Sciences (IIIS), Tsinghua University.

- Advisors: [Thomas Moscibroda](#), [Dan Pei](#)
- Research interests: Data science, Network science; Machine learning; WiFi, Mobile & ubiquitous computing; Analyses and predictions of large-scale human behaviors.

**Bachelor** – 2008 to 2012

Department of Computer Science and Technology, Tsinghua University.

## Experience

**Founder & President**, [Lab  \$\mu\$  Student Geek Association](#)

Tsinghua University, Beijing, [2013.03 – 2016.05]

- Founded and organized development (including Android, iOS, Web and DevOps groups), design, marketing and HR teams of the > 50-people association.
- Led 3 popular products that attracted > 20,000 Tsinghua users: (Android & iOS) mobile apps of [TUNet](#) auto network manager and [Tsinghua Now](#) campus life assistant; [CapsKit](#) large event services of WiFi deployment and social web apps.

**Founder**, [Club  \$\epsilon\$  Neuroscience Student Interest Group](#)

Tsinghua University, Beijing, [2015.12 – present]

**Core member**, [maTH \$\mu\$  Computer Algebra System Team](#)

Tsinghua University, Beijing, [2008.11 – 2013.03]

- Developed major parts of the system, e.g. symbolic integration, kernel interpreter.
- Won the Top Prize of the 11<sup>th</sup> "Challenge Cup" China National Contest of College Students' Extracurricular Scientific and Technological Work.

**National team candidate**, China National Olympiad in Informatics (NOI)

China, [2007.08 – 2008.02]

- Won gold medal (3<sup>rd</sup> place) of China NOI 2007

## Publications

- **EDUM: Classroom Education Measurements via Large-scale WiFi Networks**  
Mengyu Zhou, Minghua Ma, Yangkun Zhang, Kaixin Sui, Dan Pei, Thomas Moscibroda  
**UbiComp'16** (The 17<sup>th</sup> ACM International Joint Conference on Pervasive and Ubiquitous Computing. Heidelberg, Germany, September 2016)
- **Characterizing & Improving WiFi Latency in Large-scale Operational Networks**  
Kaixin Sui, Mengyu Zhou, Dapeng Liu, Minghua Ma, Dan Pei, Youjian Zhao, Zimu Li, Thomas Moscibroda  
**MobiSys'16** (The 14<sup>th</sup> Annual International Conference on Mobile Systems, Applications, and Services. Singapore, June 2016)
- **MobiCamp: a Campus-wide Testbed for Studying Mobile Physical Activities**  
Mengyu Zhou, Kaixin Sui, Minghua Ma, Youjian Zhao, Dan Pei, Thomas Moscibroda  
**WPA'16** (The 3<sup>rd</sup> International Workshop on Physical Analytics. Singapore, June 2016)

## Skills

Proficient: Data analysis, Software Engineering, Android, Java, Python, R, Git...

Experienced: Machine learning, Spark, iOS, Docker, Nginx, MongoDB, C++, Swift...

Familiar: UX design, Web full-stack, Elasticsearch, Go, Neuroscience, Psychology...

Languages: Chinese, English, Español.

## Awards & Certificates

- Tsinghua – Baidu 1<sup>st</sup> class Scholarship (2016)
- 1<sup>st</sup> Prize & Best Choice Award of Tsinghua 4<sup>th</sup> Innovation Contest (2015)
- 3<sup>rd</sup> Prize of Tsinghua 2<sup>nd</sup> Optimization & Innovation Contest (2013)
- Progressive Innovation Prize of the 13<sup>th</sup> "Challenge Cup" China National Contest of College Students' Extracurricular Scientific and Technological Work (2013)
- Top Prize of the 11<sup>th</sup> "Challenge Cup" China National Contest of College Students' Extracurricular Scientific and Technological Work (2009)
- Scholarship for Freshman, Tsinghua University (2008)
- One of the 50 finalists of TopCoder 2008 Worldwide High School Tournament
- 1<sup>st</sup> place of TopCoder 2007 Sichuan Province College Tour
- One of the 50 finalists of both Baidu Astar Programming Contests 2007 & 2008
- Gold Medal (3<sup>rd</sup> place) of China NOI (National Olympiad in Informatics) 2007
  
- One of the 50 graduates of Tsinghua 4<sup>th</sup> Spark Program / Class for Talents on Academic and Technology Innovations (2010-2012)
- DELE (Diplomas of Spanish as a Foreign Language) A1 & A2
- Certificate of "Intel Cup" 1<sup>st</sup> Innovation and Venture Practice Summer Camp (2009)
- Certificates, verifications and completions of > 50 online courses on Coursera, edX and Udacity (by August 2016)