

Zhanpeng Fang

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 Computer Science Department
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EDUCATION

Tsinghua University – Carnegie Mellon University Dual Master Program	<i>Aug 2013 – Present</i>
in Computer Science	GPA: 4.06/4.0 (CMU)
<i>M. S. in Computer Science</i>	93.9/100 (THU)

Department of Computer Science and Technology, Tsinghua University	<i>Aug 2009 – July 2013</i>
<i>B. Eng. in Computer Science and Technology</i>	GPA: 92.16/100

RESEARCH INTERESTS

- Data mining, machine learning and social network analysis.

SELECTED HONORS AND AWARDS

- Rank 2nd in the First Stage of IJCAI 2015 Repeat Buyers Prediction Competition 2015
- Semi-finalists in Big Data Combine 2 By BattleFin 2015
- Rank 2nd in CIKM 2014 Competition 2014
- Rank 2nd in Kaggle American Express Risky Business Competition (Awarded \$30K) 2014
- Rank 3rd in Kaggle Genentech Flu Forecasting Competition (Awarded \$25K) 2014
- Champion in ICDM 2012 Contest 2012
- Rank 8th in KDD Cup 2012 Track 1 2012
- Champion once and rank 2nd for 3 times in regional ACM ICPC (8 gold medals total) 2009-2012
- Champion in Tsinghua University-HKUST Programming Contest 2012
- Gold Medal (Rank 7th in China) in National Olympiad in Informatics 2008
- Outstanding Bachelor Graduate of Tsinghua University 2013
- Tsinghua Top Grade Scholarship (Only 10 receivers out of 3300 peers) 2012
- Tung OOCL Scholarship 2010,2011

PUBLICATIONS

- **Zhanpeng Fang**, and Jie Tang. Uncovering the Formation of Triadic Closure in Social Networks. *In Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence (IJCAI'15)*.
- Jing Zhang, **Zhanpeng Fang**, Wei Chen, and Jie Tang. Diffusion of “Following” Links in Microblogging Networks. *IEEE Transaction on Knowledge and Data Engineering (TKDE)*, February, 2015.
- Jie Tang, **Zhanpeng Fang**, and Jimeng Sun. Incorporating Social Context and Domain Knowledge for Instance Recognition. *In Proceedings of the Twenty-Fourth World Wide Web Conference (WWW'15)*.
- **Zhanpeng Fang**, Xinyu Zhou, Jie Tang, Wei Shao, A.C.M. Fong, Longjun Sun, Ying Ding, Ling Zhou,

- Jarder Luo. Modeling Paying Behavior in Game Social Networks. *In Proceedings of the Twenty-Third Conference on Information and Knowledge Management (CIKM'2014)*.
- Tiancheng Lou, Jie Tang, John Hopcroft, **Zhanpeng Fang**, Xiaowen Ding. Learning to Predict Reciprocity and Triadic Closure in Social Networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, Volume 7, Issue 2, July 2013, Article No. 5.
 - Sen Wu*, **Zhanpeng Fang***, and Jie Tang. Accurate Product Name Recognition from User Generated Content. (ICDM Contest) *In Proceedings of ICDM 2012 Contest*. pp. 874-877. (*The author ordering does not indicate differences in contributions.)
 - Yang Yang, Jianfei Wang, Yutao Zhang, Wei Chen, Jing Zhang, Honglei Zhuang, Zhilin Yang, Bo Ma, **Zhanpeng Fang**, Sen Wu, Xiaoxiao Li, Debing Liu, and Jie Tang. SAE: Social Analytic Engine for Dynamic Networks.(Demo Paper) *In Proceedings of the Nineteenth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'2013)*. pp. 1502-1505.

EXPERIENCE

Research Intern in Database Group, Carnegie Mellon University Aug 2014 – Present

Advisor: *Professor Christos Faloutsos*

- **Modeling Multi-dimensional, Skewed Distributions** Aug 2014 – Present
 - ♦ Researched on the models and algorithms that model multi-dimensional, skewed distributions.

Research Intern on Knowledge Engineering Lab, Tsinghua University Oct 2010 – Present

Advisor: *Professor Jie Tang*

- **User Behavior Modeling in Game Social Networks** Jul 2013 – May 2014
 - ♦ Studied paying behavior in online games from various sociological perspectives.
 - ♦ Deployed a new paying user prediction system in Tencent Corp., improved the precision 196% compared to the prior strategy in online test. Published a paper on *CIKM 2014*.
- **Name Entity Recognition** Jul 2012 – Sep 2012
 - ♦ Proposed a hybrid approach to recognize product names from textual user generated content.
 - ♦ Gained champion and presented solution at *ICDM 2012 Contest* workshop.
- **Reciprocity and Triadic Closure Prediction** Jan 2012 – May 2012
 - ♦ Investigated how a reciprocal link is developed from a parasocial relationship and how the relationships further develop into triadic closure in social networks.
 - ♦ Published a paper on *ACM Transactions on Knowledge Discovery from Data (TKDD)*.

Advisor: *Professor Wei Chen (MSRA)* and *Professor Jie Tang*

- **Diffusion of Links in Microblogging Networks** Sep 2012 – Oct 2014
 - ♦ Studied the diffusion phenomenon on the formation of “following” links by analyzing the diffusion effect in triad structures and proposing a link diffusion model to describe the process.
 - ♦ Published a paper on *IEEE Transactions on Knowledge and Data Engineering (TKDE)*.

SKILLS

- Language: English (Fluent), Chinese Mandarin (Fluent), Cantonese (Native)
- Programming Languages: Proficient in C/C++, Python, Java, Latex, SQL