Zhanpeng Fang

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EDUCATION

Tsinghua University – Carnegie Mellon University Dual Master Program in Computer Science *Aug 2013 – Present*
M. S. in Computer Science

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

RESEARCH INTERESTS

- Data mining and its applications on social networks

SELECTED HONORS AND AWARDS

- 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 Ninteenth 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*
  - Studied the models and algorithms to 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 users' attributes and various sociological perspectives.
  - Deployed a new paying user prediction system in Tencent Corp., and the precision has been improved 196% compared to the prior strategy in online test. Published a paper on *CIKM 2014*.
- **Name Entity Recognition** *Jul 2012 – Sep 2012*
  - Participated in *ICDM Contest 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