ZHANPENG FANG

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EDUCATION

Carnegie Mellon University and Tsinghua University   *August 2013 - July 2016*
Dual Master of Science in Computer Science   GPA: 4.06/4.0 (CMU), 93.9/100 (THU)

Tsinghua University   *August 2009 - July 2013*
Bachelor of Engineering in Computer Science and Technology   GPA: 92.2/100

RESEARCH INTERESTS

Data mining, machine learning and social network analysis.
Advisor: *Prof. Christos Faloutsos* and *Prof. Jie Tang*

SELECTED HONORS AND AWARDS

- Rank 2nd and 3rd in Two Stages of IJCAI 2015 Repeat Buyers Prediction Competition — 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
- Rank 1st in ICDM 2012 Contest — 2012
- Rank 1st once and 2nd for 3 times in regional ACM ICPC (8 gold medals total) — 2009-2012
- Rank 1st 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

EXPERIENCE

LinkedIn Corporation   *June 2015 - September 2015*
Software Engineering Intern   *Sunnyvale, CA*

- Designed a high precision machine learning method that infers industries for millions of companies in LinkedIn. Implemented the Hadoop backend of the method using Pig and Java.
- Mentored by *Danny Shacham* and *Frank Fan Yang*.

Knowledge Engineering Group, Tsinghua University   *October 2010 - Present*
Research Intern   *Beijing, China*

- Focused on research in social network analysis and text mining.
- Leaded the project of user behavior modeling in online game data. Deployed a new paying user prediction system in Tencent Corp., and improved the precision 196% compared to the prior strategy online. Paper published in CIKM'14.
- Studied social link formation, especially for triadic closures and link diffusion phenomenon. Papers published in IJCAI'15 and TKDE.

· Worked on entity recognition. Published a paper on WWW'15 and ranked 1st in ICDM'12 contest about product recognition in forum texts.
· Advised by *Prof. Jie Tang.*

Database Group, Carnegie Mellon University   *August 2014 - June 2015*
Research Intern   *Pittsburgh, PA*

· Researched on the models and algorithms that model multi-dimensional, skewed distributions. Paper submitted to WSDM'16.
· Advised by *Prof. Christos Faloutsos.*

PUBLICATIONS

· **Zhanpeng Fang**, and Jie Tang. *Uncovering the Formation of Triadic Closure in Social Networks.* In IJCAI, 2015.

· **Zhanpeng Fang***, Zhilin Yang*, and Yutao Zhang. *Collaborative Embedding Features and Diversified Ensemble for E-Commerce Repeat Buyer Prediction.* In IJCAI Contest Workshop, 2015. (* indicates equal contributions.)

· Jing Zhang, **Zhanpeng Fang**, Wei Chen, and Jie Tang. *Diffusion of Following Links in Microblogging Networks.* In TKDE, 2015.

· Jie Tang, **Zhanpeng Fang**, and Jimeng Sun. *Incorporating Social Context and Domain Knowledge for Instance Recognition.* In WWW, 2015.

· **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 CIKM, 2014.

· Tiancheng Lou, Jie Tang, John Hopcroft, **Zhanpeng Fang**, Xiaowen Ding. *Learning to Predict Reciprocity and Triadic Closure in Social Networks.* In TKDD, 2013.

· 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.* In KDD, 2013. (Demo paper)

· Sen Wu*, **Zhanpeng Fang***, and Jie Tang. *Accurate Product Name Recognition from User Generated Content.* In ICDM 2012 Contest Workshop. (* indicates equal contributions.)

SKILLS

Programming Languages   C/C++, Java, Python, MATLAB, LaTeX