

Curriculum Vitae

Jing Zhang (张静)

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Education & Job

- 08/2012-Now Ph.D. Candidate in Computer Science and Technology of Tsinghua University.
 Advisor: Professor Jie Tang and Professor Juanzi Li
- 02/2009-07/2012 Software engineer in IBM CDL
- 09/2006-01/2009 Master in Computer Science and Technology of Tsinghua University.
 (Average Score: 91.92; rank: top 5%)
 Advisor: Professor Jie Tang and Professor Juanzi Li
- 09/2002-07/2006 Bachelor in Computer Science and Technology of Beijing Jiaotong University
 (Average Score:89.39; Rank: 1/400)

Research Interests

Social Network Analysis, Social Influence Analysis, Data Mining, Heterogeneous Information Network Modeling.

Conference Publications

1. **Jing Zhang**, Jie Tang, Honglei Zhuang, Cane Wing-Ki Leung, and Juanzi Li. Role-aware Conformity Influence Modeling and Analysis in Social Networks. In Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI'14).
2. **Jing Zhang**, Biao Liu, Jie Tang, Ting Chen, and Juanzi Li. Social Influence Locality for Modeling Retweeting Behaviors. In Proceedings of the 23rd International Joint Conference on Artificial Intelligence (IJCAI'13). pp. 2761-2767.
3. 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'13). pp. 1502-1505.
4. Jie Tang, **Jing Zhang**, Jeffrey Xu Yu, Zi Yang, Keke Cai, Rui Ma, Li Zhang, and Zhong Su. Topic Distributions over Links on Web. In Proceedings of 2009 IEEE International Conference on Data Mining (ICDM'09). pp. 1055-1060.
5. Jie Tang and **Jing Zhang**. A Discriminative Approach to Topic-based Citation Recommendation. In Proceedings of 2009 Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'09). pp. 572-579.
6. Zi Yang, Jie Tang, **Jing Zhang**, and Juanzi Li. Topic-level Random Walk Through Probabilistic Model. In Proceedings of 2009 Asia-Pacific Web Conference and Web-Age Information Management (APWEB-WAIM'09). pp. 162-173.

7. Jie Tang, **Jing Zhang**, Limin Yao, Juanzi Li, Li Zhang, and Zhong Su. ArnetMiner: Extraction and Mining of Academic Social Networks. In Proceedings of the Fourteenth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (SIGKDD'08). pp.990-998. **(Top 3 cited papers among all KDD 2008's papers)**
8. Jie Tang, Ruoming Jin, and **Jing Zhang**. A Topic Modeling Approach and its Integration into the Random Walk Framework for Academic Search. In Proceedings of 2008 IEEE International Conference on Data Mining (ICDM'08). pp. 1055-1060.
9. **Jing Zhang**, Jie Tang, Bangyong Liang, Zi Yang, Sijie Wang, Jingjing Zuo, and Juanzi Li. Recommendation over a Heterogeneous Social Network. In Proceedings of the 9th International Conference on Web-Age Information Management (WAIM'08). pp. 309-316.
10. Feng Wang, Juanzi Li, Jie Tang, **Jing Zhang** and Kehong Wang. Name Disambiguation Using Atomic Clusters. In Proceedings of the 9th International Conference on Web-Age Information Management (WAIM'08). pp. 357-364.
11. **Jing Zhang**, Jie Tang, Liu Liu, and Juanzi Li. A Mixture Model for Expert Finding. In Proceedings of 2008 Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'08). pp. 466-478.
12. Jie Tang, **Jing Zhang**, Limin Yao, and Juanzi Li. Extraction and Mining of an Academic Social Network. (Poster Paper). In Proceedings of the 17th International World Wide Web Conference (WWW'08). ACM Press. pp. 1193-1194.
13. Jie Tang, **Jing Zhang**, Duo Zhang, and Juanzi Li. A Unified Framework for Name Disambiguation. (Poster Paper). In Proceedings of the 17th International World Wide Web Conference (WWW'08). ACM Press. pp. 1205-1206.
14. Jie Tang, **Jing Zhang**, Duo Zhang, Limin Yao, and Chunlin Zhu. ArnetMiner: An Expertise Oriented Search System for Web Community. Semantic Web Challenge. In Proceedings of the 6th International Conference of Semantic Web(ISWC'07).
15. **Jing Zhang**, Jie Tang, and Juanzi Li. Expert Finding in a Social Network. (Poster paper) In Proceedings of the Twelfth Database Systems for Advanced Applications(DASFAA'07). pp. 1066-1069.

Journal Publications

1. Jie Tang, A.C.M. Fong, Bo Wang, and **Jing Zhang**. A Unified Probabilistic Framework for Name Disambiguation in Digital Library. IEEE Transaction on Knowledge and Data Engineering (TKDE) , 2012, Volume 24, Issue 6, Pages 975-987. (if=2.236)
2. Jie Tang, **Jing Zhang**, Ruoming Jin, Zi Yang, Keke Cai, Li Zhang, and Zhong Su. Topic Level Expertise Search over Heterogeneous Networks. Machine Learning Journal, 2011, Volume 82, Issue 2, Pages 211-237. (if=1.742)
3. Jie Tang, Limin Yao, Duo Zhang, and **Jing Zhang**. A Combination Approach to Web User Profiling. ACM Transactions on Knowledge Discovery from Data (TKDD), 2010, Volume 5, Issue 1, Pages 2:1-2:44. (if=1.419)
4. Jie Tang and **Jing Zhang**. Modeling Evolution of Associated Data. Data & Knowledge Engineering (DKE), 2010, Volume 69, Issue 9, pages 965-978. (if=1.745)

5. **Jing Zhang**, Chune Ma, Chenting Zhao, Jun Zhang, Li Yi, and Xinsheng Mao. A novel ranking framework for linked data from relational databases. Tsinghua Science & Technology, 2010, Volume 15, Issue 6, pages 642-649. (if=0.312)
6. Juanzi Li, Jie Tang, **Jing Zhang**, Qiong Luo, Yunhao Liu and Mingcai Hong. Arnetminer: Expertise Oriented Search Using Social Networks. Frontiers of Computer Science in China, 2008, Volume 2, Issue 1, pages 94-105.

Research Projects

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| 07/2012-Now | Social Influence Analysis <ul style="list-style-type: none"> - Conformity influence analysis. Propose a conformity probabilistic model to measure the conformity tendency over social roles. (AAAI'14) - "Following" link influence analysis. Propose a link cascade model" based on triad structures to model the propagation of the formation of "following" links. - Influence analysis on "retweet" behaviors. Measure local influence on "retweet" behaviors based on structural diversity. (IJCAI'13) |
| 07/2013-Now | NSFC Expert System <ul style="list-style-type: none"> - Assign proposal, papers, and experts and so on to hierarchical categories. - Reviewer assignment for NSFC proposals. |
| 11/2006-Now | Arnetminer (http://www.aminer.org) <ul style="list-style-type: none"> - Topical expertise search.(ISWC'07, KDD'08, PAKDD '09,TKDD'10) - Topical linkage analysis. (ICDM'09, DKE '10, Machine Learning Journal'11) |

Research Experience

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| 01/2014-05/2014 | Visiting student at Department of Computer Science , University of Illinois at Urbana-Champaign, advised by Professor Jiawei Han. |
| 05/2008-07/2008 | Visiting student at Department of Computer Science and Engineering, Hong Kong University of Science and Technology, advised by Professor Qiong Luo. |
| 04/2007-01/2008 | Research Intern at Information Analysis and Search Group, IBM CRL |

Awards

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| 2013 | Tsinghua Alumni Scholarship |
| 2009 | Excellent Master Thesis of Tsinghua University |
| 2008 | IBM China Excellent Student Scholarship |
| 2006 | Excellent Graduate of Beijing |
| 2003,2004,2005 | First-Class Excellent Undergraduate Student |

Programming Skills

Java, Python, Perl, Shell, C++