

# YANG YANG

E-mail: SherlockBourne@gmail.com

Mobile: (+86)133-8122-1879 ♦ Homepage: <http://yangy.org>

Room 1-308, FIT Building, Tsinghua University, Beijing, 100084, China

## EDUCATION

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### **Tsinghua University**

*Aug. 2011 - present*

Ph.D. Candidate, Computer Science and Technology

Advisor: Professor Jie Tang and Juanzi Li

Expected to graduate: July, 2016

### **University of Leuven**

*Aug. 2013 - Nov. 2013*

Visiting Student, Computer Science

Advisor: Marie-Francine Moens and Walter Luyten

### **Cornell University**

*Aug. 2012 - Feb. 2013*

Visiting Student, Computer Science

Advisor: John Hopcroft

### **Wuhan University**

*Aug. 2007 - Jul. 2011*

Bachelor, Software Engineering

Graduated with best graduation thesis of Wuhan University

## RESEARCH INTERESTS

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Social network analysis: information diffusion modeling and social tie detection

Machine learning methodologies: mixture probabilistic graphical models

## PUBLICATIONS

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- **Yang Yang**, Yizhou Sun, Jie Tang, Bo Ma, and Juanzi Li. Entity Matching across Heterogeneous Sources. In Proceedings of the 21st ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'15, CCF A).
- **Yang Yang**, Jie Tang, Cane Wing-Ki Leung, Yizhou Sun, Qicong Chen, Juanzi Li, and Qiang Yang. RAIN: Social Role-Aware Information Diffusion. In Proceedings of the 29th AAAI Conference on Artificial Intelligence (AAAI'15, CCF A).
- **Yang Yang** and Jie Tang. Beyond Query: Interactive User Intention Understanding. In Proceedings of the 15th International Conference on Data Mining (ICDM'15, CCF B).
- Boya Wu, Jia Jia, **Yang Yang**, Peijun Zhao, and Jie Tang. Understanding the Emotions Behind Social Images: Inferring with User Demographics. In Proceedings of 2015 IEEE International Conference on Multimedia and Expo (ICME'15, CCF B).
- **Yang Yang**, Jia Jia, Shumei Zhang, Boya Wu, Qicong Chen, Juanzi Li, Chunxiao Xing, and Jie Tang. How Do Your Friends on Social Media Disclose Your Emotions? In Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI'14, CCF A).
- **Yang Yang**, Walter Luyten, Lu Liu, Marie-Francine Moens, Jie Tang, and Juanzi Li. Forecasting Potential Diabetes Complications. In Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI'14, CCF A).

- Yuxiao Dong, **Yang Yang**, Jie Tang, Yang Yang, and Nitesh V. Chawla. Inferring User Demographics and Social Strategies in Mobile Social Networks. In Proceedings of the 20th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'14, CCF A).
- **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 Proceedings of the 19th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'13, demo paper, CCF A).
- **Yang Yang**, Jie Tang, Jacklyne Keomany, Yanting Zhao, Ying Ding, Juanzi Li, and Liangwei Wang. Mining Competitive Relationships by Learning across Heterogeneous Networks, In Proceedings of the 21st Conference on Information and Knowledge Management (CIKM'12, acceptance rate=13.4%, CCF B).
- Jie Tang, Bo Wang, **Yang Yang**, Po Hu, Yanting Zhao, Xinyu Yan, Bo Gao, Minlie Huang, Peng Xu, Weichang Li, and Adam K. Usadi. PatentMiner: Topic-driven Patent Analysis and Mining, In Proceedings of the 17th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'12, CCF A).
- Tiejun Qian, **Yang Yang**, and Shuo Wang. Refining Graph Partitioning for Social Network Clustering, In Proceedings of the 17th International Conference on Web Information System Engineering (WISE'10).

## SELECTED ACHIEVEMENTS AND AWARDS

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National Scholarship of China, 2015.  
 National Scholarship of China, 2014.  
 AAAI Student Travel Award, 2014.  
 Alumnus Scholarship of Tsinghua University, 2013.  
 Best graduation thesis of Wuhan University, 2011.  
 ACM International Collegiate Programming Contest, Asia Regional, 2 gold medals, 2009.  
 Champion of Citi Financial IT Application Competition, 2009.  
 Ten Outstanding Young People of Wuhan University, 2009.  
 Ten Great Students of Luo-jia Mountain, 2009.  
 ACM International Collegiate Programming Contest, Asia Regional, 3 gold medals, 2008.

## EXPERIENCES

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**Knowledge Engineering Group, Tsinghua University** Aug. 2011 - Present  
*Research Assistant*

- Studying information diffusion in online social networks, especially social role-aware information diffusion (AAAI'15), and users' emotional status diffusion (AAAI'14), and the interplay between information diffusion and social ties (CIKM'12).
- Advisor: Professor Jie Tang and Juanzi Li

**Language Intelligence and Information Retrieval, KU Leuven** Aug. 2013 - Nov. 2013  
*Research Intern*

- Working on diabetes complication prediction by sparse factor graph models (AAAI'14).
- Advisor: Professor Marie-Francine Mones and Walter Luyten

**Dept. of Computer Science, Cornell University**

Aug. 2012 - Feb. 2013

*Research Intern*

- Working on social network clustering by graph spectral theorem
- Working on entity matching across heterogeneous sources (KDD'15)
- Advisor: Professor John Hopcroft

**ExxonMobil Research and Engineering**

Jul. 2011 - Aug. 2011, Jul. 2012 - Aug. 2012

*Research Intern*

- Working on building a patent analytic and search engine (online system: pminer.org, KDD'12)
- Working on mining competitive relationship in heterogeneous networks (CIKM'12)
- Manager: Peng Xu

**Application Server Developer Experience, Microsoft Corporation**

Jul. 2010 - Aug. 2010

*Software Engineer Intern*

- Developing automatic test units for Visual Studio.
- Manager: Leo Shum

**ACADEMIC SERVICES**

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Session chair of KDD'15.

Program committee member of ASONAM'15.

Volunteer of KDD'12 and IJCAI'13.