YANG YANG

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Room 415, CaoGuangBiao Building, Zhejiang University, Hangzhou, Zhejiang, 310027, China

POSITION HELD

Zhejiang University *Dec. 2018 - present*
Associate Professor
College of Computer Science and Technology

Zhejiang University *Jul. 2016 - Dec. 2018*
Assistant Professor
College of Computer Science and Technology

EDUCATION

Tsinghua University *Aug. 2011 - Jul. 2016*
Ph.D. Candidate, Computer Science and Technology
Advisor: Jie Tang and Juanzi Li

Cornell University *Aug. 2012 - Feb. 2013*
Visiting Student, Computer Science
Advisor: John Hopcroft

University of Leuven *Aug. 2013 - Nov. 2013*
Visiting Student, Computer Science
Advisor: Marie-Francine Moens and Walter Luyten

Wuhan University *Aug. 2007 - Jul. 2011*
Bachelor, Software Engineering

RESEARCH INTERESTS

Network embedding, anomaly detection in networks, network mining, computational social science.

PUBLICATIONS

· Zongtao Liu, **Yang Yang**, Wei Huang, Zhongyi Tang, Ning Li and Fei Wu. How Do Your Neighbors Disclose Your Information: Social-Aware Time Series Imputation. In Proceedings of the Twenty-Eighth World Wide Web Conference (WWW'19).

· Ziqiang Cheng, **Yang Yang**, Chenhao Tan, Denny Cheng, Alex Cheng, and Yueting Zhuang. What Makes a Good Team? A Large-scale Study on the Effect of Team Composition in Honor of Kings. In Proceedings of the Twenty-Eighth World Wide Web Conference (WWW'19, short paper).

· **Yang Yang**, Zongtao Liu, Chenhao Tan, Fei Wu, Yueting Zhuang, and Yafeng Li. To Stay or to Leave: Churn Prediction for Urban Migrants in the Initial Period. In Proceedings of the Twenty-Seventh World Wide Web Conference (WWW'18).

· **Yang Yang**, Chenhao Tan, Zongtao Liu, Fei Wu, and Yueting Zhuang. Urban Dreams of Migrants: A Case Study of Migrant Integration in Shanghai. In Proceedings of the 32th AAAI Conference on Artificial Intelligence (AAAI'18).

· Lekui Zhou, **Yang Yang**, Xiang Ren, Fei Wu, and Yueting Zhuang. Dynamic Social Network Embedding by Modeling Triadic Closure Process. In Proceedings of the 32th AAAI Conference on Artificial Intelligence (AAAI'18).

· Rui Feng, **Yang Yang**, Wenjie Hu, Fei Wu, and Yueting Zhuang. Representation Learning for Scale-free Networks. In Proceedings of the 32th AAAI Conference on Artificial Intelligence (AAAI'18).

· Menghan Wang, Xiaolin Zheng, **Yang Yang**, and Kun Zhang. Collaborative Filtering with Social Exposure: A Modular Approach to Social Recommendation. In Proceedings of the 32th AAAI Conference on Artificial Intelligence (AAAI'18).

· Jun Feng, Minlie Huang, Li Zhao, **Yang Yang**, and Xiaoyan Zhu. Reinforcement Learning for Relation Extraction from Noisy Data. In Proceedings of the 32th AAAI Conference on Artificial Intelligence (AAAI'18).

· **Yang Yang**, Jie Tang, and Juanzi Li. Learning to Infer Competitive Relationships in Heterogeneous Networks. In ACM Transactions on Knowledge Discovery from Data (TKDD), accepted.

· **Yang Yang**, Jia Jia, Boya Wu, and Jie Tang. Social Role-Aware Emotion Contagion in Image Social Networks. In Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI'16).

· Jun Feng, Minlie Huang, **Yang Yang**, and Xiaoyan Zhu. GAKE: Graph Aware Knowledge Emebdding. In Proceedings of the 27th International Conference on Computational Linguistics (COLING'16).

· Boya Wu, Jia Jia, **Yang Yang**, Peijun Zhao, Jie Tang, and Qi Tian. Inferring Emotional Tags From Social Images With User Demographics. In IEEE Transactions on Multimedia (TMM) , accepted.

· Yuxiao Dong, Nitesh V. Chawla, Jie Tang, **Yang Yang**, and Yang Yang. User Modeling on Demographic Attributes in Large-Scale Mobile Social Networks. In ACM Transactions on Information Systems (TOIS) (if =1.3), accepted.

· **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).

· **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).

· **Yang Yang** and Jie Tang. Beyond Query: Interactive User Intention Understanding. In Proceedings of the 15th International Conference on Data Mining (ICDM'15, acceptance rate=*8%*).

· 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).

· **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).

· **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).

· 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).

· **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).

· **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%*).

· 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).

· Tieyun 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

Excellent Graduate of Tsinghua University with Ph.D. degree, 2016
Excellent Graduate of Beijing City with Ph.D. degree, 2016
National Scholarship of China, 2015.
KDD Student Travel Award, 2015.
ICDM Student Travel Award, 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

Knowledge Engineering Group, Tsinghua University　　　　　　　　Aug. 2011 - Jul. 2016
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 Ininformation 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
- 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

Session chair of KDD'15.

Program committee member of WSDM 2019 (awarded as Outstanding PC), KDD 2019, AAAI 2019, KDD 2018, WWW 2017, WSDM 2017, ICWSM 2017, WSDM 2016, CIKM 2016, ASONAM 2015.