HONGWEI WANG

Ph.D. Candidate – Shanghai Jiao Tong University – Shanghai, China

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EDUCATION

Ph.D. candidate, Shanghai Jiao Tong University   *2014 – present*
- Department of Computer Science and Engineering
- Advisor: Prof. Minyi Guo

B.E., Shanghai Jiao Tong University   *2010 – 2014*
- Department of Computer Science and Engineering (ACM class)
- Advisor: Prof. Yong Yu

RESEARCH INTERESTS

- **Recommender systems** [TCSS 2017] [RecSys 2017] [CIKM 2017]
- **Graph representation learning** [WSDM 2018] [AAAI 2018]
- **Machine learning applications** [ICDCS 2017] [TPDS 2018] [AAAI 2018]

PUBLICATIONS

- Zhuo Li, **Hongwei Wang**, Miao Zhao, Wenjie Li, Minyi Guo, Deep Representation-Decoupling Neural Networks for Monaural Music Mixture Separation. *The 32nd AAAI Conference on Artificial Intelligence. AAAI 2018*. Accept rate: 25%
- **Hongwei Wang**, Jia Wang, Jialin Wang, Weinan Zhang, Miao Zhao, Fuzheng Zhang, Xing Xie, Minyi Guo, GraphGAN: Graph Representation Learning with Generative Adversarial Nets. *The 32nd AAAI Conference on Artificial Intelligence. AAAI 2018*. Accept rate: 25%
- **Hongwei Wang**, Song Guo, Jiannong Cao, Minyi Guo, MELODY: A Long-term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing. *IEEE Transactions on Parallel and Distributed Systems. TPDS 2018*.
- **Hongwei Wang**, Fuzheng Zhang, Min Hou, Xing Xie, Minyi Guo, Qi Liu, SHINE: Signed Heterogeneous Information Network Embedding for Sentiment Link Prediction. *The 11th ACM International Conference on Web Search and Data Mining. WSDM 2018*. Accept rate: 16%
- **Hongwei Wang**, Jia Wang, Miao Zhao, Jiannong Cao, Minyi Guo, Joint Topic-Semantic-aware Social Recommendation for Online Voting. *The 26th International Conference on Information and Knowledge Management. CIKM 2017*. Accept rate: 21%
- Jianxun Lian, Fuzheng Zhang, Min Hou, **Hongwei Wang**, Xing Xie, Guangzhong Sun, Practical Lessons for Job Recommendations in the Cold-Start Scenario. *The 11th ACM Conference on Recommender Systems. RecSys Challenge 2017*.
- **Hongwei Wang**, Song Guo, Jiannong Cao, Minyi Guo, MELODY: A Long-term Dynamic Quality-aware Incentive Mechanism for Crowdsourcing. *The 37th IEEE International Conference on Distributed Computing Systems. ICDCS 2017*. Accept rate: 16.9%
- Xiwang Yang, Chao Liang, Miao Zhao, **Hongwei Wang**, Hao Ding, Yong Liu, Yang Li, Junlin Zhang, Collaborative Filtering Based Recommendation of Online Social Voting. *IEEE Transactions on Computational Social Systems. TCSS 2017*.
- Shanshan Chen, Xiaoxin Tang, **Hongwei Wang**, Han Zhao, Minyi Guo, Towards Scalable and Reliable In-memory Storage System: A Case Study with Redis. *The 10th IEEE International Conference on Big Data Science and Engineering. BigDataSE 2016*.

TALKS

- Joint Topic-Semantic-aware Social Recommendation for Online Voting, at CIKM 2017, Singapore, November 7, 2017.

- MELODY: A Long-term Dynamic Quality-aware Incentive Mechanism for Crowdsourcing, at ICDCS 2017, Atlanta, Georgia, U.S., June 8, 2017.
- Network Embedding, at Social Computing group meeting, Microsoft Research Asia, Beijing, China, April 26, 2017.
- Neural Network Models for Sentence Classification, at Social Computing group meeting, Microsoft Research Asia, Beijing, China, November 18, 2016.

ACADEMIC PROJECTS

Collective-intelligence computing of urban big data *09 / 2015 – 07 / 2016*
- Partner: Ministry of Science and Technology of the People's Republic of China

Distributed Redis optimization *06 / 2015 – 10 / 2015*
- Partner: Shanghai Huawei Technology Co., Ltd

Parallel GPU-accelerated deep learning algorithm development *03 / 2015 – 06 / 2015*
- Shenzhen Huawei Technology Co., Ltd

"DianDianZhuan" Android application development *07 / 2014 – 08 / 2014*
- Partner: Shanghai Nankang Technology Co., Ltd

PROFESSIONAL EXPERIENCES

Microsoft Research Asia, **full-time internship** *09 / 2016 – present*
- Mentor: Dr. Xing Xie

The Hong Kong Polytechnic University, **research assistant** *03 / 2016 – 09 / 2016*
- Mentor: Prof. Jiannong Cao

Microsoft Research Asia, **full-time internship** *07 / 2013 – 04 / 2014*
- Mentor: Dr. Feng Zhao

HONORS & AWARDS

- **Overseas Alumni Doctoral Students Scholarship (Top 5%)**, Shanghai Jiao Tong University, 2017
- **The 5th place in RecsysChallenge 2017**, RecSys Challenge, 2017
- **The 2nd prize of China Graduate Mathematical Contest in Modeling**, Shanghai Jiao Tong University, 2015
- **The 3rd prize of China Graduate Mathematical Contest in Modeling**, Shanghai Jiao Tong University, 2014
- **Outstanding Doctoral Freshman Scholarship (Top 10%)**, Shanghai Jiao Tong University, 2014
- **GPA 2nd / 29**, ACM class, Shanghai Jiao Tong University, 2010-2014
- **SJTU Outstanding Undergraduate**, Shanghai Jiao Tong University, 2014
- **Arawana Scholarship (Top 5%)**, Shanghai Jiao Tong University, 2013
- **Tung OOCL Scholarship (Top 5%)**, Shanghai Jiao Tong University, 2012
- **The 2nd prize of China Undergraduate Mathematical Contest in Modeling**, Shanghai Jiao Tong University, 2012
- **National Scholarship for Encouragement (Top 10%)**, Shanghai Jiao Tong University, 2011
- **The 2nd prize of Chinese Undergraduate Physics Competition**, Shanghai Jiao Tong University, 2011
- **The 3rd prize of Chinese Senior High School Chemistry Competition**, Wuhu No. 1 Middle School, 2009
- **The 3rd prize of Chinese Senior High School Physics Competition**, Wuhu No. 1 Middle School, 2009
- **The 1st prize of Chinese Senior High School Mathematics Competition**, Wuhu No. 1 Middle School, 2009