

Hongwei Wang

CONTACT INFORMATION	CSE Dept., Shanghai Jiao Tong University No. 800 Dongchuan Road, Shanghai, China, 200240	<i>Mobile:</i> (86) 180 5699 5505 <i>E-mail:</i> wanghongwei55@gmail.com
RESEARCH INTEREST	Data mining, machine learning, recommender systems	
EDUCATION	<ul style="list-style-type: none">● B.E., Shanghai Jiao Tong University 09 / 2010 – 06 / 2014 Department of Computer Science and Engineering (ACM class) <i>Advisor: Yong Yu</i>● Ph.D. candidate, Shanghai Jiao Tong University 09 / 2014 – now Department of Computer Science and Engineering <i>Advisor: Minyi Guo</i>	
PUBLICATIONS	<ul style="list-style-type: none">● Shanshan Chen, Xiaoxing Tang, Hongwei Wang, Han Zhao, Minyi Guo, “Towards Scalable and Reliable In-memory Storage System: A Case Study with Redis”, in Proceedings of the 10th IEEE International Conference on Big Data Science and Engineering (BigDataSE), 2016.● 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), 2016.● Hongwei Wang, Song Guo, Jiannong Cao, Minyi Guo, “MELODY: A Long-term Dynamic Quality-aware Incentive Mechanism for Crowdsourcing”, in Proceedings of the 37th IEEE International Conference on Distributed Computing Systems (ICDCS), 2017.● Jianxun Lian, Fuzheng Zhang, Min Hou, Hongwei Wang, Xing Xie, Guangzhong Sun, “Practical Lessons for Job Recommendations in the Cold-Start Scenario”, in Recsys Challenge Workshop, 2017.● Hongwei Wang, Jia Wang, Miao Zhao, Jiannong Cao, Minyi Guo, “Joint Topic-Semantic-aware Social Recommendation for Online Voting”, in Proceedings of the 26th International Conference on Information and Knowledge Management (CIKM), 2017.● Hongwei Wang, Fuzheng Zhang, Min Hou, Xing Xie, Minyi Guo, Qi Liu, “SHINE: Signed Heterogeneous Information Network Embedding for Sentiment Link Prediction”, in Proceedings of the 11th ACM International Conference on Web Search and Data Mining (WSDM), 2018.● Hongwei Wang, Song Guo, Jiannong Cao, Minyi Guo, “MELODY: A Long-term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing”, in IEEE Transactions on Parallel and Distributed Systems (TPDS), 2018.● Hongwei Wang, Jia Wang, Jialin Wang, Weinan Zhang, Miao Zhao, Fuzheng Zhang, Xing Xie, Minyi Guo, “GraphGAN: Graph Representation Learning with Generative Adversarial Nets”, in Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018.● Zhuo Li, Hongwei Wang, Miao Zhao, Wenjie Li, Minyi Guo, “Deep Representation-	

Decoupling Neural Networks for Monaural Music Mixture Separation”, in Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018.

Under review:

- **Hongwei Wang**, Miao Zhao, Jialin Wang, Minyi Guo, Xiaojun Hei, “A Renewable-energy-aware Deep Reinforcement Learning Framework for Charging Scheduling of Electric Vehicles”, submitted to the 37th International Conference on Computer Communications (IFOCOM), 2018.
- **Hongwei Wang**, Jia Wang, Miao Zhao, Jiannong Cao, Minyi Guo, “Joint Topic-Semantic-aware Social Recommender Systems for Online Voting”, submitted to ACM Transactions on Information Systems (TOIS), 2018.
- Zhuo Li, Kejie Wang, **Hongwei Wang**, Chenchen Li, Miao Zhao, “Multimodal Deep Learning for Solar Irradiance Prediction”, submitted to the 34th IEEE International Conference on Data Engineering (ICDE), 2018.
- **Hongwei Wang**, Fuzheng Zhang, Xing Xie, Minyi Guo, “DKN: Deep Knowledge-Aware Network for News Recommendation”, submitted to the Web Conference (WWW), 2018.

ACADEMIC PROJECTS

- “DianDianZhuan” Android application development 07 / 2014 – 08 / 2014
Partner: Shanghai Nankang Technology Co., Ltd
- Performance of benchmark on big data computing systems 10 / 2014 – 12 / 2014
Partner: Nanjing ZTE Technology Co., Ltd
- Parallel GPU-accelerated deep learning algorithm development 03 / 2015 – 06 / 2015
Partner: Shenzhen Huawei Technology Co., Ltd
- Distributed Redis optimization 06 / 2015 – 10 / 2015
Partner: Shanghai Huawei Technology Co., Ltd
- Collective-intelligence computing of urban big data (973 project) 09 / 2015 – 07 / 2016
Partner: PRC Ministry of Science and Technology

PROFESSIONAL EXPERIENCE

- **Microsoft Research Asia, full-time internship** 07 / 2013 – 04 / 2014
 - Privacy control and management on Android
Mentor: Feng Zhao
 - Emotion computing
Mentor: Xing Xie
- **The Hong Kong Polytechnic University, research assistant** 03 / 2016 – 09 / 2016
 - Social recommender systems
Advisor: Jiannong Cao

HONORS & AWARDS

- GPA rank 2 / 29 during undergraduate period
- 2009, The 1st prize of Chinese Senior High School Mathematics Competition
- 2009, The 3rd prize of Chinese Senior High School Physics Competition
- 2009, The 3rd prize of Chinese Senior High School Chemistry Competition
- 2011, The 2nd prize of Chinese Undergraduate Physics Competition
- 2011, National Scholarship for Encouragement

- 2012, The 2nd prize of China Undergraduate Mathematical Contest in Modeling
- 2012, Tung OOCL Scholarship
- 2013, Arawana Scholarship
- 2014, SJTU Outstanding Undergraduate
- 2014, Outstanding Doctoral Freshman Scholarship
- 2014, The 3rd prize of China Graduate Mathematical Contest in Modeling
- 2015, The 2nd prize of China Graduate Mathematical Contest in Modeling
- 2017, The 5th place in RecsysChallenge 2017
- 2017, Overseas Alumni Doctoral Students Scholarship