Yuan Yao

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SHORT BIOGRAPHY

Yuan Yao is an assistant researcher within the State Key Lab for Novel Software and Technology, Department of Computer Science and Technology, Nanjing University. Before that, he received his Ph.D. degree at the same department in September 2015 supervised by Prof. Feng Xu and Prof. Jian Lu. His research interest lies in mining social media data and software repository data.

EDUCATION

2011.09 - 2015.09: PhD Student, Department of Computer Science and Technology, Nanjing University

2012.09 - 2013.03: Research Intern at Department of Computer Science, North Carolina State University (Supervisor: Prof. Tao Xie)

2009.09 - 2011.07: Graduate student, Department of Computer Science and Technology, Nanjing University

2005.09 - 2009.06: B.Sc., Department of Computer Science and Technology, Nanjing University

EMPLOYMENT HISTORY

2015.10 - 2016.04: Research Staff Member, Huawei Technologies Co., Ltd

2016.05 - present: Assistant Researcher, Department of Computer Science and Technology, Nanjing University

HONORS AND AWARDS

CCF Outstanding Doctoral Dissertations Award Nomination, 2017
Jiangsu Outstanding Doctoral Dissertation Award, 2017
ACM China Outstanding Doctoral Dissertation Nomination, 2016
ACM Nanjing Outstanding Doctoral Dissertation Award, 2016
IBM scholarship for Excellent Graduate Students, 2014
KDD Student Travel Award, 2014
'Data Mining Reveals the Secret to Getting Good Answers', MIT Technology Review
National Scholarship, 2013
Nanrui scholarship for Excellent Graduate Students, 2012
Guorui scholarship for Excellent Graduate Students, 2011
1st Grade Public Scholarship, 2008
2nd Grade Public Scholarship, 2007
3rd Grade Public Scholarship, 2006

SELECTED PUBLICATIONS

Journal Publications

1. Yuan Yao, Hanghang Tong, Feng Xu, Jian Lu. Scalable Algorithms for CQA Post Voting Prediction, IEEE Transactions on Knowledge and Data Engineering, 2017.

2. Yuan Yao, Wayne Xin Zhao, Yaojing Wang, Hanghang Tong, Feng Xu, Jian Lu. Version-Aware Rating Prediction for Mobile App Recommendation, ACM Transactions on Information Systems, 2017.

3. Jingwei Xu, Yuan Yao, Hanghang Tong, Xianping Tao, Jian Lu. RaPare: A Generic Strategy for Cold-Start Rating Prediction Problem, IEEE Transactions on Knowledge and Data Engineering, 2017.

4. Yuan Yao, Hanghang Tong, Tao Xie, Leman Akoglu, Feng Xu, Jian Lu. Detecting High-quality Posts in Community Question Answering Sites. Information Sciences, 2015.

5. Yuan Yao, Hanghang Tong, Xifeng Yan, Feng Xu, Jian Lu. Multi-Aspect+ Transitivity+ Bias: An Integral Trust Inference Model, IEEE Transactions on Knowledge and Data Engineering, 2014.

6. Yuan Yao, Feng Xu, Yongli Ren, Hanghang Tong, Jian Lu. SelfTrust: Leveraging Self-Assessment for Trust Inference in Internetware, SCIENCE CHINA Information Sciences, 2013.

Conference Publications

1. Jingwei Xu, Yuan Yao, Hanghang Tong, Xianping Tao, Jian Lu. HoORaYs: High-order Optimization of Rating Distance for Recommender Systems, SIGKDD 2017.

2. Xing Su, Yuan Yao, Qing He, Jie Lu, Hanghang Tong Personalized Travel Mode Detection with Smartphone Sensors, BigData , 2017.

3. Liangyue Li, Yuan Yao, Jie Tang, Wei Fan, Hanghang Tong. QUINT: On Query-Specific Optimal Networks, SIGKDD 2016.

4. Yong Wu, Yuan Yao, Feng Xu, Hanghang Tong, Jian Lu. Tag2Word: Using Tags to Generate Words for Content Based Tag Recommendation, CIKM 2016.

5. Jingwei Xu, Yuan Yao, Hanghang Tong, Xianping Tao, Jian Lu. Ice-Breaking: Mitigating Cold-Start Recommendation Problem by Rating Comparison, IJCAI 2015.

6. Yuan Yao, Hanghang Tong, Guo Yan, Feng Xu, Xiang Zhang, Boleslaw Szymanski, Jian Lu. Dual-Regularized One-Class Collaborative Filtering, CIKM 2014.

7. Yuan Yao, Hanghang Tong, Feng Xu, Jian Lu. Predicting Long-Term Impact of CQA Posts: A Comprehensive Viewpoint, SIGKDD 2014.

8. Yuan Yao, Hanghang Tong, Xifeng Yan, Feng Xu, Jian Lu. MATRI: A Multi-Aspect and Transitive Trust Inference Model, WWW 2013.

PRESENTATIONS

1. "Comparing Linkage Graph and Activity Graph of Online Social Networks", paper delivered at 3rd International Conference on Social Informatics (SocInfo), 6 - 8 October, 2011.

2. "PatTrust: A Pattern-based Evaluation Approach for Trust and Distrust in Internetware", paper delivered at 3rd Asia-Pacific Symposium on Internetware (Internetware), 1 - 2 December, 2011.

3. "Subgraph Extraction for Trust Inference in Social Networks", paper delivered at the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 26 - 29 August, 2012.

4. "MATRI: A Multi-Aspect and Transitive Trust Inference Model", paper delivered at the 22nd International World Wide Web Conference (WWW), 13 - 17 May, 2013.

5. "Joint Voting Prediction for Questions and Answers in CQA", paper delivered at the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 17 - 20 August, 2014.

6. "Predicting Long-Term Impact of CQA Posts: A Comprehensive Viewpoint" paper delivered at the 20th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD), 24 - 27 August, 2014.

7. "Dual-Regularized One-Class Collaborative Filtering" paper delivered at the 23rd ACM International Conference on Information and Knowledge Management (CIKM), 3 - 7 November, 2014.

8. "HoORaYs: High-order Optimization of Rating Distance for Recommender Systems" paper delivered at the 23rd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD), 14 - 17 August, 2017.

PROFESSIONAL SERVICES

PC Member: KDD 2017 - 2018, AAAI 2017 - 2018, IJCAI 2015 - 2017, CIKM 2015, 2017 - 2018, ASONAM 2016 - 2018, PAKDD 2018, NLPCC 2017 - 2018