Xiang Wang

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RESEARCH INTERESTS

Information Retrieval, Multimedia, and Explainable AI, covering Recommender Systems, Graph Learning, and Social Media Analysis.

EDUCATIONS

Ph.D., National University of Singapore   Aug 2014 - Feb 2019
School of Computing, Advisor: KITHCT Chair Prof. Tat-Seng Chua

B.E., Beihang University   Sep 2010 - June 2014
School of Computer Science and Engineering (Graduated with Highest Honors)

FIRST-AUTHOR PUBLICATIONS

Xiang Wang, Xiangnan He, Yixin Cao, Meng Liu, Tat-Seng Chua (2019). *KGAT: Knowledge Graph Attention Network for Recommendation.* In ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD'19**).

Xiang Wang, Xiangnan He, Meng Wang, Fuli Feng, Tat-Seng Chua (2019). *Neural Graph Collaborative Filtering.* In ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR'19**).

Xiang Wang, Dingxian Wang, Canran Xu, Xiangnan He, Yixin Cao, Tat-Seng Chua (2019). *Explainable Reasoning over Knowledge Graph Paths for Recommendation.* In AAAI Conference on Artificial Intelligence (**AAAI'19**).

Xiang Wang, Xiangnan He, Fuli Feng, Liqiang Nie, Tat-Seng Chua (2018). *TEM: Tree-enhanced Embedding Model for Explainable Recommendation.* In International World Wide Web Conference (**WWW'18**).

Xiang Wang, Xiangnan He, Liqiang Nie, Tat-Seng Chua (2017). *Item Silk Road: Recommending Items from Information Domains to Social Users.* In ACM SIGIR Conference on Information Retrieval (**SIGIR'17**).

Xiang Wang, Liqiang Nie, Xuemeng Song, Dongxiang Zhang, Tat-Seng Chua (2017). *Unifying Virtual and Physical Worlds: Learning towards Local and Global Consistency.* In ACM Transactions on Information Systems (**TOIS**).

CO-AUTHOR PUBLICATIONS

Xun Yang, Xiangnan He, **Xiang Wang**, Yunshan Ma, Fuli Feng, Meng Wang, Tat-Seng Chua (2019). *Interpretable Fashion Matching with Rich Attributes.* In ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR'19**).

Yixin Cao, **Xiang Wang**, Xiangnan He, Zikun Hu, Tat-Seng Chua (2019). *Unifying Knowledge Graph Learning and Recommendation: Towards a Better Understanding of User Preference.* In International World Wide Web Conference (**WWW'19**).

Fuli Feng, Xiangnan He, **Xiang Wang**, Cheng Luo, Yiqun Liu, Tat-Seng Chua (2019). *Temporal Relational Ranking for Stock Prediction.* In ACM Transactions on Information Systems (**TOIS**).

Meng Liu, **Xiang Wang**, Liqiang Nie, Qi Tian, Baoquan Chen, Tat-Seng Chua (2018). *Cross-modal Moment Localization in Videos.* In ACM on Multimedia Conference (**MM'18**).

Meng Liu, **Xiang Wang**, Liqiang Nie, Xiangnan He, Baoquan Chen, Tat-Seng Chua (2018). *Attentive Moment Retrieval in Videos.* In ACM SIGIR Conference on Information Retrieval (**SIGIR'18**).

Xuemeng Song, **Xiang Wang**, Liqiang Nie, Xiangnan He, Zhumin Chen, Wei Liu (2018). *A Personal Privacy Preserving Framework.* In ACM SIGIR Conference on Information Retrieval (**SIGIR'18**).

Xiangnan He, Xiaoyu Du, **Xiang Wang**, Feng Tian, Jinhui Tang, Tat-Seng Chua (2018). *Outer Product-based Neural Collaborative Filtering.* In International Joint Conference on Artificial Intelligence (**IJCAI'18**).

Liqiang Nie, **Xiang Wang**, Jianglong Zhang, Xiangnan He, Hanwang Zhang, Richang Hong, Qi Tian (2017). *Enhancing Micro-video Understanding by Harnessing External Sounds*. In ACM on Multimedia Conference (**MM'17**).

Fuli Feng, Liqiang Nie, **Xiang Wang**, Richang Hong, Tat-Seng Chua (2017). *Computational Social Indicators: A Case Study of Chinese University Ranking*. In ACM SIGIR Conference on Information Retrieval (**SIGIR'17**).

Liqiang Nie, Xiaochi Wei, Dongxiang Zhang, **Xiang Wang**, Zhipeng Gao, Yi Yang (2017). *Data-Driven Answer Selection in Community QA Systems*. In IEEE Transactions on Knowledge and Data Engineering (**TKDE**).

Jianglong Zhang, Liqiang Nie, **Xiang Wang**, Xiangnan He, Xianglin Huang, Tat-Seng Chua (2016). *Shorter-is-Better: Venue Category Estimation from Micro-Video*. In ACM on Multimedia Conference (**MM'16**).

Jingyuan Chen, Xuemeng Song, Liqiang Nie, **Xiang Wang**, Hanwang Zhang, Tat-Seng Chua (2016). *Micro Tells Macro: Predicting the Popularity of Micro-Videos via a Transductive Model*. In ACM on Multimedia Conference (**MM'16**).

ACADEMIC ACTIVITIES	**Conference Program Committee**: SIGIR'19, MM'19, CIKM'17, EARS'18, MMM'19.
	Conference External Reviewer: SIGIR'17, CIKM'17, MM'17, ICMR'17, SIGIR'18, .
	Journal External Reviewer: Information Sciences'17, TKDE'17, TOIS'16, TOIS'17, TOIS'18, TKDE'18.
	Journal Invited Reviewer: TOIS'18, TISIT'18, TKDE'19.

AWARDS	**Dean's Graduate Research Excellence Award**	June 2018
	School of Computing, National University of Singapore	
	Research Achievement Award	June 2017
	School of Computing, National University of Singapore	
	Student Travel Grant	May 2017
	ACM SIGIR Conference on Information Retrieval	
	Full Research Scholarship	2014 - 2018
	National University of Singapore	
	Excellent Graduates	July 2014
	Beihang University	
	National Scholarship (top scholarship for Chinese undergraduates)	December 2013
	Beihang University	

PATENT	**Tree-enhanced Embedding Model (TEM)**
	Authors: Xiang Wang, Xiangnan He, Fuli Feng, Tat-Seng Chua
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