Xinyue Liu

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Employment

Amazon	**Cambridge, MA**
Applied Scientist	2019 -
IBM T. J. Watson Research Center	**Yorktown Heights, NY**
Research Intern	Summer 2018
Worcester Polytechnic Institute	**Worcester, MA**
Research Assistant	2014 - 2018
Hong Kong University of Science &. Technology	**Hong Kong**
Research Assistant	2013 - 2014

Education

2018	**Worcester Polytechnic Institute**
	Ph.D. in Computer Science
2013	**Hong Kong University of Science &. Technology**
	M.Sc. in Information Technology
2012	**University of Electronic Science &. Technology of China**
	B.Eng. in Software Engineering

Publication

(C1). Mingda Li, Weitong Ruan, **Xinyue Liu**, Luca Soldaini, Wael Hamza, Chengwei Su. "Improving Spoken Language Understanding By Exploiting ASR N-best Hypotheses". arXiv:2001.05284, January 2020.

(C2). Xin Dai, Xiangnan Kong, **Xinyue Liu** and Constance Moore. "Dual-Attention Recurrent Networks for Affine Registration of Neuroimaging Data". *SIAM International Conference on Data Mining (SDM '20)*, May 2020.

(C3). Yao Zhang, Yun Xiang, Xiangnan Kong, **Xinyue Liu** and Yangyong Zhu. "Multi-task Attributed Graphical Lasso". *IEEE International Workshop on Biological Network Analysis and Integrative Graph-Based Approaches (IWBNA '19)*, November 2019.

(C4). Jianjun Luo, **Xinyue Liu** and Xiangnan Kong. "Competitive Opinion Maximization in Social Networks". *IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM '19)*, August 2019.

(C5). Thanh Tran, **Xinyue Liu**, Kyumin Lee and Xiangnan Kong. "Signed Distance-based Deep Memory Recommender". *ACM International World Wide Web Conferences (The WebConf '19)*, May 2019.

(C6). **Xinyue Liu**, Xiangnan Kong, Lei Liu and Kuorong Chiang. "Syntax-aware Sequence Generation with Generative Adversarial Networks", *IEEE International Conference on Data Mining (ICDM '18)*, November 2018.

(C7). Hang Yin, **Xinyue Liu** and Xiangnan Kong. "Coherent Graphical Lasso for Brain Network Discovery ", *IEEE International Conference on Data Mining (ICDM '18)*, November 2018.

(C8). **Xinyue Liu**, Xiangnan Kong and Philip S. Yu. "Active Opinion Maximization on Social Networks", *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '18)*,

August 2018.

(C9). **Xinyue Liu**, Yuanfang Song, Charu Aggarwal, Yao Zhang and Xiangnan Kong. "Item Recommendation with Life Cycles", *IEEE International Conference on Data Mining (ICDM '17)*, November 2017.

(C10). Saket Sathe, Charu Aggarwal, Xiangnan Kong and **Xinyue Liu**. "Kernel-Based Feature Extraction For Collaborative Filtering", *IEEE International Conference on Data Mining (ICDM '17)*, November 2017.

(C11). **Xinyue Liu**, Xiangnan Kong and Philip S. Yu. "Collective Discovery of Brain Networks with Unknown Groups", *International Joint Conference On Neural Networks (IJCNN '17)*, May 2017.

(C12). **Xinyue Liu**, Xiangnan Kong and Ann B. Ragin. "Unified and Contrasting Graphical Lasso for Brain Network Discovery", *SIAM International Conference on Data Mining (SDM '17)*, April 2017.

(C13). Yao Zhang, Yun Xiong, **Xinyue Liu**, Xiangnan Kong and Yangyong Zhu. "Meta-Path Graphical Lasso for Learning Heterogeneous Connectivities", *SIAM International Conference on Data Mining (SDM '17)*, April 2017.

(C14). **Xinyue Liu**, Xiangnan Kong and Yanhua Li. "Collective Traffic Prediction with Partially Observed Traffic History using Location-Based Social Media", *ACM International Conference on Information and Knowledge Management (CIKM '16)*, November 2016.

(C15). **Xinyue Liu**, Charu Aggarwal, Yu-Feng Li, Xiangnan Kong, Xinyuan Sun and Saket Sathe. "Kernelized Matrix Factorization for Collaborative Filtering", *SIAM International Conference on Data Mining (SDM '16)*, April 2016.

Teaching

Spring 2015 **CS2333: Algorithms**
Graduated Teaching Assistant, Worcester Polytechnic Institute, USA

Service

Journal Reviewer TKDD

External Reviewer TKDE, TIST, TPAMI, KDD ('15 - '18), ICML ('18), ICDM ('15,'17), SDM ('17, '18), CIKM ('15 - '17), NIPS ('16 - '18), IJCAI ('15, '17), AAAI ('17), AISTAT ('17, '18), ICDE ('17), ASONAM ('17), BigData('18), PAKDD ('18)

Conference Volunteer SDM '16, ICDM' 17, KDD '18