

# Xinyue Liu

☎ +1-508-873-4348 | ✉ [cinvro@gmail.com](mailto:cinvro@gmail.com) | 🌐 <http://cinv.ro>

## Employment

### Amazon

*Applied Scientist*

### IBM T. J. Watson Research Center

*Research Intern*

### Worcester Polytechnic Institute

*Research Assistant*

### Hong Kong University of Science & Technology

*Research Assistant*

### Cambridge, MA

2019 -

### Yorktown Heights, NY

Summer 2018

### Worcester, MA

2014 - 2018

### Hong Kong

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, **Xinyue Liu**, Weitong Ruan, Luca Soldaini, Wael Hamza and Chengwei Su. "Multi-task Learning of Spoken Language Understanding by Integrating N-Best Hypotheses with Hierarchical Attention". *International Conference on Computational Linguistics (COLING '20)*, December 2020.
- (C2). Luoxin Chen, **Xinyue Liu**, Weitong Ruan, and Jianhua Lu. "Enhance Robustness of Sequence Labelling with Masked Adversarial Training". *Empirical Methods in Natural Language Processing (EMNLP '20)*, November 2020.
- (C3). Yao Zhang, Yun Xiang, Xiangnan Kong, **Xinyue Liu** and Yangyong Zhu. "Multi-task Attributed Graphical Lasso". *International Joint Conference on Web and Big Data (APWeb-WAIM '20)*, September 2020.
- (C4). Xin Dai, Xiangnan Kong, Tian Guo, John Boaz Lee, **Xinyue Liu** and Constance M. Moore. "Recurrent Networks for Guided Multi-Attention Classification". *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '20)*, August 2020.
- (C5). Luoxin Chen, Weitong Ruan, **Xinyue Liu** and Jianhua Lu. "SeqVAT: Virtual Adversarial Training for Semi-Supervised Sequence Labelling". *Annual Conference of the Association for Computational Linguistics (ACL '20)*, July 2020.
- (C6). Yun Xiong, Shaofeng Xu, Keyao Rong, **Xinyue Liu**, Xiangnan Kong, Shanshan Li, Philip Yu and Yangyong Zhu. "Code2Text: Dual Attention Syntax Annotation Networks for Structure-aware Code Translation". *International Conference on Database Systems for Advanced Applications (DASFAA '20)*, May 2020.
- (C7). 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.

- (C8). 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.
- (C9). 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.
- (C10). 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.
- (C11). **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.
- (C12). Hang Yin, **Xinyue Liu** and Xiangnan Kong. "Coherent Graphical Lasso for Brain Network Discovery ", *IEEE International Conference on Data Mining (ICDM '18)*, November 2018.
- (C13). **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.
- (C14). **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.
- (C15). 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.
- (C16). **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.
- (C17). **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.
- (C18). 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.
- (C19). **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.
- (C20). **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

<b>Journal Reviewer</b>	TKDD
<b>External Reviewer</b>	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)
<b>Conference Volunteer</b>	SDM '16, ICDM' 17, KDD '18