Zaiqiao Meng

zaiqiao.meng@gmail.com
(+44) 752-915-5289/(+86)13450380137
http://github.com/mengzaiqiao
http://mengzaiqiao.github.io

Research Experience

- **Postdoctor,** University of Cambridge, LTL Lab — July 2020 - Present
- **Postdoctor,** University of Glasgow, Terrier IR Lab — Mar. 2019 - July 2020
- **Visiting PhD,** KAUST, MINE Lab — Mar. 2018 - Aug. 2018

Education

Sun Yat-sen University, *Ph.D.* in Computer Science — Dec. 2018
Guangdong University of Technology, *M.S.* in Computer Science — July 2014
Jiangxi University of Science and Technology, *B.S.* in Software Engineering — July 2010

Research Interests

My research interests include **Machine Learning**, **Variational Bayesian** and their applications in **Graph Neural Networks**, **IR**, **NLP** and **RecSys**.
I initialised the Beta-Recsys project, an open source project for Building, Evaluating and Tuning Automated Recommender Systems.

Selected Publications

1) **Zaiqiao Meng**, Richard McCreadie, Craig Macdonald, Iadh Ounis, and others, BETA-Rec: Build, Evaluate and Tune Automated Recommender Systems. *Recsys*, 2020.
2) **Zaiqiao Meng**, Richard McCreadie, Craig Macdonald, Iadh Ounis, Exploring Data Splitting Strategies for the Evaluation of Recommendation Models. *Recsys*, 2020.
3) **Zaiqiao Meng**, Shangsong Liang, Xiangliang Zhang, Richard McCreadie, Iadh Ounis. Jointly Learning Representations of Nodes and Attributes for Attributed Networks. *ACM Transactions on Information Systems*, 2020.
4) Huimin Huang, **Zaiqiao Meng***, Shangsong Liang. Recurrent neural variational model for follower-based influence maximization. *Information Sciences* 528: 280-293 (2020)
5) Huimin Huang, **Zaiqiao Meng***, Hong Shen. Competitive and complementary influence maximization in social network: A follower's perspective. *Knowledge-Based Systems* 528: 280-293 (2020)
6) **Zaiqiao Meng**, Jinyuan Fang, Shangsong Liang, Teng Xiao. Semi-supervisedly Co-embedding Attributed Networks. *NeurIPS* 2019.

7) **Zaiqiao Meng**, Shangsong Liang, Xiangliang Zhang. Co-Embedding Attributed Networks. *WSDM* 2019.
8) **Zaiqiao Meng**, Hong Shen. Fast top-k similarity search in large dynamic attributed networks. *Information Processing & Management.* 2019. **(IF:3.89)**.
9) **Zaiqiao Meng**, Hong Shen. Scalable Aspects Learning for Intent-aware Diversified Search on Social Networks. *IEEE* Access. 2018. **(IF:4.09)**.
10) **Zaiqiao Meng**, Hong Shen, Huimin Huang, Wei Liu, Jing Wang, Arun Kumar Sangaiah. Search Result Diversification on Attributed Networks via Nonnegative Matrix Factorization. *Information Processing and Management*. 2018. **(IF:3.89)**.
11) **Zaiqiao Meng**, Hong Shen. Dissimilarity-Constrained Node Attribute Coverage Diversification for Novelty-Enhanced Top-k Search in Large Attributed Networks. *Knowledge-Based Systems*. 2018. **(IF:5.10)**.
12) Teng Xiao, Jiaxin Ren, **Zaiqiao Meng**, Huan Sun, Shangsong Liang. Dynamic Bayesian Metric Learning for Personalized Product Search. *CIKM* 2019.
13) Yupeng Luo, Shangsong Liang, **Zaiqiao Meng**. Constrained Co-embedding for User Profile in Community Question Answering. *CIKM* 2019.
14) Teng Xiao, Shangsong Liang, **Zaiqiao Meng**. Dynamic Collaborative Recurrent Learning. *CIKM* 2019.
15) Teng Xiao, Shangsong Liang, Wenzhou Shen, **Zaiqiao Meng**. Bayesian Deep Collaborative Matrix Factorization. *AAAI* 2019.
16) Teng Xiao, Shangsong Liang, **Zaiqiao Meng**. Hierarchical Neural Variational Model for Personalized Sequential Recommendation. *WWW* 2019, Short paper.
17) Huimin Huang, Hong Shen, **Zaiqiao Meng**. Community-based influence maximization in attributed networks. *Appl. Intell.* 50(2): 354-364 (2020)
18) Siwei Liu, Iadh Ounis, Craig Macdonald, **Zaiqiao Meng**. A Heterogeneous Graph Neural Model for Cold-start Recommendation. *SIGIR* 2020
19) Siyuan Liao, Shangsong Liang, **Zaiqiao Meng** and Qiang Zhang. Learning Dynamic Embeddings for Temporal Knowledge Graphs. *WSDM* 2021
20) Jinpeng Wang, Bin Chen, Qiang Zhang, **Zaiqiao Meng**, Shangsong Liang and Shutao Xia. Weakly Supervised Deep Hyperspherical Quantization for Image Retrieval. *AAAI* 2021

    * Corresponding author.

Skills

- Programming: Python (Tensorflow, Pytorch), Java, C++

Professional Activities (recent)

- Conference PC: WWW, ICLR, ECIR, KDD, ACL 2021
- Conference PC: ECIR, AAAI, IJCAI, NeurIPS, RecSys 2020
- Journal Reviewer, TOIS, TKDE, TNNLS, ACM CSUR 2020