

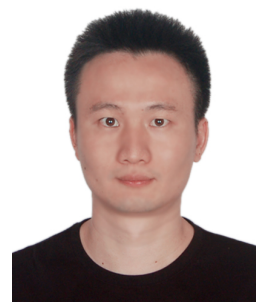
ZAIQIAO MENG

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🌐 <http://github.com/mengzaiqiao>

🏠 <http://mengzaiqiao.github.io>



🎓 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 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

🔍 RESEARCH INTERESTS

My research interests include **Machine Learning**, **Variational Bayesian** and their applications in **Graph Neural Networks**, **IR**, **NLP** and **RecSys**.

- During my PhD study, I mainly focused on two topics: diversified graph search and large-scale social and information networks modelling. In particular, we propose three models using Variational Bayesian Neural Networks for solving the graph embedding tasks where the attributes, partial labels and network evolving are taken into account, outcomes of which were published at WSDM2019, NeurIPS2019 and TOIS.
- As a postdoc at the Terrier team, I have been working for the **EU Bigdatastack** project for supporting the use case application, focusing on the field of Recommender Systems, where I was leading the **Beta-Rec** open source project.

📖 SELECTED PUBLICATIONS

- 1) **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.
- 2) **Zaiqiao Meng**, Jinyuan Fang, Shangsong Liang, Teng Xiao. Semi-supervisedly Co-embedding Attributed Networks. *NeurIPS* 2019.
- 3) **Zaiqiao Meng**, Shangsong Liang, Xiangliang Zhang. Co-Embedding Attributed Networks. *WSDM* 2019.
- 4) **Zaiqiao Meng**, Hong Shen. Fast top-k similarity search in large dynamic attributed networks. *Information Processing & Management*. 2019. (**IF:3.89**).
- 5) **Zaiqiao Meng**, Hong Shen. Scalable Aspects Learning for Intent-aware Diversified Search on Social Networks. *IEEE Access*. 2018. (**IF:4.09**).

- 6) **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).
- 7) **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).
- 8) Teng Xiao, Jiaxin Ren, **Zaiqiao Meng**, Huan Sun, Shangsong Liang. Dynamic Bayesian Metric Learning for Personalized Product Search. *CIKM* 2019.
- 9) Yupeng Luo, Shangsong Liang, **Zaiqiao Meng**. Constrained Co-embedding for User Profile in Community Question Answering. *CIKM* 2019.
- 10) Teng Xiao, Shangsong Liang, **Zaiqiao Meng**. Dynamic Collaborative Recurrent Learning. *CIKM* 2019.
- 11) Teng Xiao, Shangsong Liang, Wenzhou Shen, **Zaiqiao Meng**. Bayesian Deep Collaborative Matrix Factorization. *AAAI* 2019.
- 12) Teng Xiao, Shangsong Liang, **Zaiqiao Meng**. Hierarchical Neural Variational Model for Personalized Sequential Recommendation. *WWW* 2019, Short paper.
- 13) Huimin Huang, Hong Shen, **Zaiqiao Meng**. Community-based influence maximization in attributed networks. *Appl. Intell.* 50(2): 354-364 (2020)
- 14) Huimin Huang, **Zaiqiao Meng**, Shangsong Liang: Recurrent neural variational model for follower-based influence maximization. *Information Sciences* 528: 280-293 (2020)
- 15) Siwei Liu, Iadh Ounis, Craig Macdonald, **Zaiqiao Meng**. A Heterogeneous Graph Neural Model for Cold-start Recommendation. *SIGIR* 2020:

⚙️SKILLS

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

🌐PROFESSIONAL ACTIVITIES

- | | |
|---|-----------|
| • Program committee, ECIR, AAAI, IJCAI, NeurIPS | 2020 |
| • Reviewer, Transactions on Fuzzy Systems | 2019 |
| • Reviewer, Information Science | 2019 |
| • Reviewer, IEEE Access | 2019 |
| • Reviewer, Journal of Computer and System Sciences | 2019 |
| • Reviewer, International Journal of Machine Learning and Cybernetics | 2018 |
| • Reviewer, Concurrency and Computation: Practice and Experience | 2018 |
| • Short paper committee, WWW | 2018 |
| • External Reviewer, WSDM, IJCAI, CIKM, SIGIR | 2017-2019 |