

# ZAIQIAO MENG

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## 🎓 EDUCATION

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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

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- **Postdoctor**, University of Glasgow, working with **Iadh Ounis** 2019.3-present
- **Visiting PhD**, King Abdullah University of Science & Technology, working with **Xiangliang Zhang** 2018.3-2018.8

## 🔍 RESEARCH INTERESTS

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My research interests include **Information Retrieval (IR)**, **Machine Learning (ML)**, **Natural Language Processing** and **Recommender Systems**.

- During my PhD study, I mainly focused on two main topics: diversified graph search and large-scale social and information networks modelling. In particular, we propose a series of models for solving the network embedding tasks where the attributes, partial labels and network evolving are taken into account, products of which were published at WSDM2019, NeurIPS2019 or submitted to 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, during which 3 paper are worked out and submitted to Recsys, ECIR and WWW.

## 📖 SELECTED PUBLICATIONS

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- 1) **Zaiqiao Meng**, Jinyuan Fang, Shangsong Liang, Teng Xiao. Semi-supervisedly Co-embedding Attributed Networks. *NeurIPS* 2019. (Accepted).
- 2) **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*. (Major revision).
- 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) **Zaiqiao Meng**, Richard McCreadie, Craig Macdonald, Iadh Ounis. Variational Bayesian Context-aware Representation for Grocery Recommendation. *RecSys19 - CARS 2019 Workshop*
- 14) **Zaiqiao Meng**, Richard McCreadie, Craig Macdonald, Iadh Ounis. Representation Learning for Grocery Recommendation with Item Side Information. (Submitted to *ECIR2020*)
- 15) **Zaiqiao Meng**, Richard McCreadie, Craig Macdonald, Iadh Ounis. Dynamic Variational Bayesian Representation for Grocery Recommendation. (Submitted to *WWW2020*)

## ⚙️SKILLS

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- Programming: Python (Tensorflow, pytorch), Java, C++
- Language: English-Fluent (IELTS: 6.0), Chinese Mandarin-Native.

## 🌐PROFESSIONAL ACTIVITIES

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| • Program committee, ECIR, AAAI                                       | 2020      |
| • 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 |