

Zheng Gao

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EDUCATION

2015-current	Indiana University Bloomington	Bloomington, IN, United States
	<ul style="list-style-type: none">• Ph.D in Information Science• Advisor: Dr. Xiaozhong Liu	
2013-2015	University of Pittsburgh	Pittsburgh, PA, United States
	<ul style="list-style-type: none">• Master of Science in Information Science	
2009-2013	Shanghai International Studies University	Shanghai, China
	<ul style="list-style-type: none">• Bachelor of Science in Information Management & Information System	

SKILLS

Technical skills:	Java, Python, Distributed systems (Hadoop), Tensorflow
Research Interests:	Graph mining/ Network analysis, Information retrieval, Natural Language Processing, Recommendation system, Deep learning

INDUSTRY EXPERIENCE

2018.03 - 2019.03 (expected)	Alibaba NLP group, DAMO Academy	Research Intern
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TEACHING

• <i>ILS-Z534 SEACH</i> , Indiana University Bloomington	2018 Spring/Fall, 2019 Spring
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PUBLICATIONS

1. Wang, Yongzhen, **Zheng Gao**, Xiaozhong Liu, *Neural Related Work Summarization with a Joint Context-driven Attention Mechanism*. Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2018
2. Zhuoren Jiang, Liangcai Gao, Ke Yuan, **Zheng Gao**, Zhi Tang and Xiaozhong Liu, *Mathematics Content Understanding for Cyberlearning via Formula Evolution Map*. Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM) 2018
3. Zizhe Gao, **Zheng Gao**, Heng Huang, Zhuoren Jiang and Yuliang Yan. *An End-to-end Model of Predicting Diverse Ranking On Heterogeneous Feeds*. Proceedings of Special Interest Group on Information Retrieval (SIGIR), 2018. (workshop paper)
4. **Zheng Gao**, Xiaozhong Liu. *Personalized Community Detection in Scholarly Network*. Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM), 2016 (workshop paper)
5. Wang, Yongzhen, Yan Lin, **Zheng Gao**, and Yan Chen. *A Two-stage Iterative Approach to Improve Crowdsourcing-Based Relevance Assessment*. Arabian Journal for Science and Engineering (2018): 1-18.
6. Xiaozhong Liu, Xing Yu, **Zheng Gao**. *Comparing Community-based Information Adoption*

- and Diffusion Across Different Microblogging Sites*. ACM Hypertext Conference, 2016
7. **Zheng Gao**, John Wolohan, *Fast NLP-based Pattern Matching in Real Time Tweet Recommendation*. Text REtrieval Conference, 2017
 8. **Zheng Gao**, Rui Bi. *University of Pittsburgh at TREC 2014 Microblog Track*. Text REtrieval Conference, 2014
 9. **Zheng Gao**, Vincent Malic, Patrick C. Shih. *Movie Success Prediction Combining Profit and Rating*. iConference 2019
 10. **Zheng Gao**, Xiaozhong Liu. *Personalized Community Detection in Scholarly Network*. iConference, 2017
 11. Tian Xia, **Zheng Gao**, Yijun Gu, Xiaozhong Liu. *Internal/External Information Access and Information Diffusion in Social Media*. iConference, 2017
 12. Nan Li, Naren Suri, **Zheng Gao**, Tian Xia, Xiaozhong Liu, Katy Borner. *Student Program Planning with Career Information*. iConference, 2017
 13. Tsutsui, Satoshi, **Zheng Gao**, Yuzhuo Wang, Guilin Meng, and Ying Ding. *A case study on viziometrics: What's the role of western blots in Alzheimer's Disease literature?*. iConference 2018 Proceedings (poster)
 14. Chenwei Zhang, **Zheng Gao**. *How others affect your Twitter #hashtag adoption? Examination of community-based and context-based information diffusion in Twitter*, iConference, 2015 (poster)
 15. **Zheng Gao**, Xiaozhong Liu. *Applying Genetic Algorithm in Personalized Community Detection by a Two-step Optimization*, NetSci, 2017 (poster)

PROJECTS

CROSS-DOMAIN COMMUNITY DETECTION

- A mixture of community detection and domain adaptation. Graph gated neural network methods are leveraged to solve community detection on sparse data by involving transferred knowledge from other domains.
- Keywords: *Graph gated neural network, Memory network, Deep matching*

REAL-TIME PRODUCT SUMMARIZATION VIA MULTI-TYPE USER BEHAVIORS

- Mining user multi-type behaviors on products in E-commerce platforms. It generates products' real-time textual summarization via machine translation techniques.
- Keywords: *Recurrent neural network, Data-to-text generation, Sequential data analysis*

ACADEMIC SERVICES

- Peer reviewer. 2018, 2019 WWW (World Wide Web)
- Peer reviewer. 2018 SIGIR (Special Interest Group on Information Retrieval)
- Peer reviewer. 2017 JASIST (Journal of the Association for Information Science and Technology)

HONORS AND AWARDS

- Chair of Doctoral student association in Department of Information and Library Science, Indiana University Bloomington
- Clayton A. Shepherd Scholarship, Indiana University Bloomington
- T'ung-li Yuan Memorial Fellowship, Indiana University Bloomington