Northeastern University

Qian Li

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EDUCATION

• Sep 2018 -- , PhD Candidate in School of Computer Science and Engineering, Northeastern University, China.
• Sep 2016 -- Jul 2018, Master in School of Computer Science and Engineering, Northeastern University, China.
• Sep 2012 -- Jul 2016, Bachelor in School of Computer Science and Engineering, Shandong University of Science and Technology, China.

ACADEMIC ACHIEVEMENTS

• **Qian Li**, Daling Wang, Cheng Niu, Jie Zhou, GGAE: Global Graph Attention Embedding Network for Relation Prediction in Knowledge Graphs, IEEE Transactions on Neural Networks and Learning Systems.
• **Qian Li**, Hui Su, Cheng Niu, Daling Wang, Zekang Li, Shi Feng, Yifei Zhang, Answer-Supervised Question Reformulation for Enhancing Conversational Machine Comprehension, EMNLP Workshop MRQA 2019: 38-47.
• Zekang Li, Cheng Niu, Fandong Meng, Yang Feng, **Qian Li**, Jie Zhou: Incremental Transformer with Deliberation Decoder for Document Grounded Conversations. ACL (1) 2019: 12-21.
• Xizhe Zhang, **Qian Li**, Weixiong Zhang: A Fast Algorithm for Generalized Arc Consistency of the Alldifferent Constraint. IJCAI 2018: 1398-1403.
• Xizhe Zhang, **Qian Li**. Altering control modes of complex networks based on edge removal. Physica A: Statistical Mechanics and its Applications 516 (2019): 185-193.

RESEARCH INTERESTS

My research interests include knowledge graph representation learning, knowledge graph application and natural language processing. After consulting a lot of literature, I develop the following research plans.

(1) Research on knowledge graph structured information representation learning technologies.

This study performs representation learning on structured information by fusing local information, global information, and relation features.

(2) Research on the knowledge graph multi-source information representation learning technologies.

This research uses the technology of joint learning of structured and unstructured knowledge to fuse external multi-source information of the knowledge graph. The multi-source information includes type information, description information of entities and relations, etc.

(3) Research on the application of knowledge graphs in natural language processing.

This study includes research on inference applications based on knowledge graphs, applied research based on knowledge graphs and external unstructured knowledge, and applied research on dynamic knowledge graphs.

PROFESSIONAL SKILLS

• Programming Language: Python, Java, C++, Matlab.
• Programming Tools: PyTorch, TensorFlow.

HONORS AND AWARDS

• Honorary title of outstanding graduate student of Northeastern University, 2019.
• National scholarship for doctoral students, 2018.
• Full academic scholarship, 2016-2017.
• Honorary title of the top ten outstanding students of the School, 2015.
• National second prize of National Mathematical Modeling Competition, 2015.