

Zequn Sun (孙泽群)

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Research Interest

My research interests include **knowledge graph representation learning** and its applications (e.g., entity alignment and relation prediction), as well as applied deep learning (e.g., recurrent skipping networks and graph neural networks).

Education

Nanjing University

Sept. 2016 - Now

Ph.D. student, Computer Science and Technology

Supervisor: Prof. [Yuzhong Qu](#) and Associate Prof. [Wei Hu](#)

Hohai University

Sept. 2012- Jun. 2016

B.Sc. in College of Computer and Information

Publications

Conference Papers:

1. **Zequn Sun***, Chengming Wang*, Wei Hu, Muhao Chen, Jian Dai, Wei Zhang, Yuzhong Qu.
[Knowledge Graph Alignment Network with Gated Multi-hop Neighborhood Aggregation](#).
To appear in Proc. of the 34th AAAI Conference on Artificial Intelligence (AAAI 2020).
2. Qingheng Zhang*, **Zequn Sun***, Wei Hu, Muhao Chen, Lingbing Guo, Yuzhong Qu.
[Multi-view Knowledge Graph Embedding for Entity Alignment](#).
In Proc. of the 28th International Joint Conference on Artificial Intelligence (IJCAI 2019).
3. Lingbing Guo, **Zequn Sun**, Wei Hu.
[Learning to Exploit Long-term Relational Dependencies in Knowledge Graphs](#).
In Proc. of the 36th International Conference on Machine Learning (ICML 2019).
4. **Zequn Sun**, Jiacheng Huang, Wei Hu, Muhao Chen, Lingbing Guo, Yuzhong Qu.
[TransEdge: Translating Relation-contextualized Embeddings for Knowledge Graphs](#).
In Proc. of the 18th International Semantic Web Conference (ISWC 2019).
5. **Zequn Sun**, Wei Hu, Qingheng Zhang, Yuzhong Qu.
[Bootstrapping Entity Alignment with Knowledge Graph Embedding](#).
In Proc. of the 27th International Joint Conference on Artificial Intelligence (IJCAI 2018).
6. Zhiwei Zhang, Lingling Zhang, Hao Zhang, Weizhuo He, **Zequn Sun**, Gong Cheng, Qizhi Liu, Xinyu Dai, Yuzhong Qu.
[Towards Answering Geography Questions in Gaokao: A Hybrid Approach](#).
In Proc. of the 2018 China Conference on Knowledge Graph and Semantic Computing (CCKS 2018).
7. **Zequn Sun**, Wei Hu, Chengkai Li.
[Cross-Lingual Entity Alignment via Joint Attribute-Preserving Embedding](#).
In Proc. of the 16th International Semantic Web Conference (ISWC 2017).
8. Wei Hu, Haoxuan Li, **Zequn Sun**, Xinqi Qian, Lingkun Xue, Ermei Cao, Yuzhong Qu.
[Clinga: Bringing Chinese Physical and Human Geography in Linked Open Data](#).
In Proc. of the 15th International Semantic Web Conference (ISWC 2016).

Journal Papers:

1. Lingbing Guo, Qingheng Zhang, Wei Hu, **Zequn Sun**, Yuzhong Qu.
[Learning to Complete Knowledge Graphs with Deep Sequential Models](#).
Data Intelligence, Vol 1 (3), 224-243, 2019.

Workshop Papers:

1. Xinze Lyu, Qingheng Zhang, Wei Hu, **Zequn Sun**, Yuzhong Qu.
[njuLink: results for instance matching at OAEI 2017](#).
In Proc. of the 12th International Workshop on Ontology Matching (OM@ISWC 2017).
 2. Wei Hu, Qingheng Zhang, **Zequn Sun**, Jiacheng Huang.
[MultiKE: A Multi-view Knowledge Graph Embedding Framework for Entity Alignment](#).
In Proc. of the 14th International Workshop on Ontology Matching (OM@ISWC 2019).
- [* indicates equal contribution.]

Presentations

- Bootstrapping Entity Alignment with Knowledge Graph Embedding
Conference talk at IJCAI, Stockholm, Sweden, Jul 2018.
- Cross-Lingual Entity Alignment via Joint Attribute-Preserving Embedding
Conference talk at ISWC, Vienna, Austria, Oct 2017.

Industrial Experience

- Research Intern at Alibaba Group (*work with Jian Dai*) *Jun. 2019- Feb. 2020*

Selected Awards and Honors

- IJCAI Travel Grant *2019*
- National Scholarship for Ph.D. Students *2018*
- Huawei Scholarship of Nanjing University *2017*
- First-Class Academic Scholarship of Nanjing University *2017*
- ISWC Student Travel Grant *2017*
- Outstanding Undergraduate Student of Hohai University *2016*
- National Scholarship for Undergraduate Students *2014*

Teaching Assistant

- Introduction to Databases *For undergraduate students, Autumn, 2018*
- Introduction to Databases *For undergraduate students, Autumn, 2019*

Reviewer

- 2020: AAAI, ACL
- 2019: ISWC Posters and Demos Track
- 2018: CCKS