Tianyu **Gao**

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Education

Tsinghua University   *Beijing, China*

B.E., Computer Science and Technology   *Aug. 2016 - Present*

- Member of the Student Union and the Student Association of Science and Technology.

Publications

Tianyu Gao, Xu Han, Zhiyuan Liu and Maosong Sun. ***Hybrid Attention-Based Prototypical***   *Honolulu, Hawaii, USA*
Networks for Noisy Few-Shot Relation Classification

To appear in Proc. 33rd AAAI Conference on Artificial Intelligence, 2019   *Jan. 2019*

- Tackle the problem of few-shot relation classification in noisy scenario.
- Add instance-level attention and feature-level attention to Prototypical Networks.
- Achieve great improvement on accuracy and convergence speed compared to baseline models.

Projects

OpenNRE: An Open-Source Package for Neural Relation Extraction

HTTPS://GITHUB.COM/THUNLP/OpenNRE   *Mar. 2018 - Present*

- **1.1k** stars on Github.
- Provide an easy-to-modify framework for relation extraction.
- Implement several neural methods for relation extraction.

NREPapers: A Paper List for Neural Relation Extraction

HTTPS://GITHUB.COM/THUNLP/NREPapers   *Jul. 2018 - Present*

- Include important papers in relation extraction and will continue to be updated.

FewRel: FewRel Dataset, Toolkits and Baseline Models

HTTPS://GITHUB.COM/THUNLP/FEWREL   *Jul. 2018 - Sept. 2018*

- FewRel is a large-scale few-shot relation extraction dataset.
- I helped with implementing the toolkits and several baseline models.

Experiences

Tsinghua Natural Language Processing and Computational Social Science Lab   *Beijing, China*

Undergraduate Student   *Jan. 2018 - Present*

- Under the guidance of Prof. Zhiyuan Liu.
- My research interests are knowledge computing and relation extraction.

Huawei Technologies Noah's Ark Lab   *Beijing, China*

Intern   *Dec. 2018 - Present*

- Research on BERT with knowledge embedding.

Momenta   *Beijing, China*

Intern   *May. 2017 - May. 2018*

- Research on semantic segmentation.

Honors & Awards

School

| 2018 | **Academic Excellence Scholarship**, Tsinghua University | *Beijing, China* |
| 2018 | **Social Work Scholarship**, Tsinghua University | *Beijing, China* |

Domestic

2015	**Silver Prize**, National Olympiad in Informatics	*Hangzhou, China*
2015	**Golden Prize**, National Olympiad in Informatics Top Competition	*Beijing, China*
2015	**Silver Prize**, Asia-Pacific Informatics Olympiad (China Division)	*Beijing, China*