

# Tianyu Gao

UNDERGRADUATE STUDENT · TSINGHUA UNIVERSITY

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## Education

### Tsinghua University

JUNIOR STUDENT IN COMPUTER SCIENCE AND TECHNOLOGY

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

Beijing, China

Aug. 2016 - Present

## Publications

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

Honolulu, Hawaii, USA

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](https://github.com/THUNLP/OPENNRE)

Mar. 2018 - Present

- Provide an easy-to-modify framework for relation extraction.
- Implement several neural methods for relation extraction.
- **1.4k** stars on Github.

### NREpapers: A Paper List for Neural Relation Extraction

[HTTPS://GITHUB.COM/THUNLP/NREPAPERS](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](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

UNDERGRADUATE STUDENT

Beijing, China

Jan. 2018 - Present

- Under the guidance of Prof. Zhiyuan Liu.
- Research on information extraction and knowledge representation.

### WeChat, Tencent

INTERN

Beijing, China

May. 2019 - Present

- Research on natural language processing.

### Momenta

INTERN

Beijing, China

May. 2017 - May. 2018

- Research on semantic segmentation.

## Honors & Awards

### SCHOOL

2019 **Fellow of Tsinghua University Initiative Scientific Research Program**, Tsinghua University

Beijing, China

2018 **Academic Excellence Scholarship**, Tsinghua University

Beijing, China

2018 **Social Work Scholarship**, Tsinghua University

Beijing, China

### DOMESTIC

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

*Hangzhou, China*  
*Beijing, China*  
*Beijing, China*