

## Affiliation

Institute for Language, Cognition and Computation,  
School of Informatics,  
University of Edinburgh

## Honors and Awards

- 2018 Google PhD Fellowship in Natural Language Processing
- 2015 National Scholarship for Graduate Students
- 2013 China Computer Federation (CCF) Elite Collegiate Award

## Education

- 2016-Now **PhD, Natural Language Processing**, *Institute for Language, Cognition and Computation, University of Edinburgh*.  
Supervisor: Prof. Mirella Lapata  
Research Topics:
  - Document modeling
  - Latent structure learning
- 2013-2016 **MSc, Natural Language Processing**, *Institute of Computational Linguistics, Peking University*.  
Supervisor: Prof. Sujian Li  
Research Topics:
  - Discourse parsing
  - Social recommendation
- 2009-2013 **BE, Computer Science**, *Department of Computer Science, Tianjin University*.  
GPA: 3.71/4.0   Ranking: 2/100

## Publications

- Yang Liu, Mirella Lapata, and Ivan Titov. **Single Document Summarization as Tree Induction**. In *Proceedings of the NAACL Conference*, 2019.
- Bowen Li, Jiangpeng Cheng, Yang Liu, and Mirella Lapata. **Dependency Grammar Induction with a Neural Variational Transition-based Parser**. In *Proceedings of the AAAI Conference*, 2019.
- Yang Liu, Matt Gardner, and Mirella Lapata. **Structured Alignment Networks for Matching Sentences**. In *Proceedings of the EMNLP Conference*, 2018.

Yang Liu and Mirella Lapata. **Learning Structured Text Representations.** *Accepted by Transactions of the Association for Computational Linguistics*, 2017.

Yang Liu and Mirella Lapata. **Learning Contextually Informed Representations for Linear-time Discourse Parsing.** In *Proceedings of EMNLP conference*, 2017.

Yang Liu and Sujian Li. **Recognizing Implicit Discourse Relations via Repeated Reading: Neural Networks with Multi-level Attention.** *Proceedings of EMNLP conference*, 2016.

Yang Liu and Sujian Li. **Implicit Discourse Relation Classification via Multi-task Neural Networks.** In *Proceedings of the AAAI Conference*, 2016.

Yang Liu, Furu Wei, Sujian Li, Heng Ji, and Ming Zhou. **A Dependency-Based Neural Network for Relation Classification.** In *Proceedings of the ACL Conference*, 2015.

Ziqiang Cao, Sujian Li, Yang Liu, Wenjie Li, and Heng Ji. **A Novel Neural Topic Model and Its Supervised Extension.** In *Proceedings of the AAAI Conference*, 2015.

Chen Miaohong, Chang Baobao, and Yang Liu. **A Neural Network based Translation Constrained Reranking Model for Chinese Dependency Parsing.** In *Proceedings of the CCL conference*, 2015.

## Internship Experience

2017 Summer **Research Internship**, *Allen Institute for Artificial Intelligence*, Seattle.  
Mentor: Dr. Matt Gardner  
Project: Research on structured alignment networks

2014-2015 **Research Internship**, *Natural Language Computing Group, Microsoft Research Asia*, Beijing.  
Mentor: Dr. Furu Wei  
Project: Research on relation classification, Development of a chatbot

2014 Summer **Internship**, *Natural Language Processing Group, Baidu Inc*, Beijing.  
Mentor: Dr. Yajuan Lv  
Project: Development of the one-sentence news summarization system,