Jiangming Liu

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EDUCATION	**University of Edinburgh**, Edinburgh, Scotland, UK

PhD candidate in Computer Science and Technology Sep 2017 – Jan 2021(expected)
- Adviser: Shay B. Cohen and Mirella Lapata
- Research areas: Semantic parsing based on Discourse Representation Theory, and text generation

Beijing JiaoTong University, Beijing, China

Master of Computer Science (M.S) in Computer Science and Technology Sep 2012 – Apr 2015
- Thesis: Japanese Case Grammar Constraints on Hierarchical Phrase-based Statistical Machine Translation
- Adviser: JinAn Xu
- Research areas: natural language processing and machine translation

Bachelor of Computer Science (B.S) in Computer Science and Technology Sep 2008 – Jul 2012

RESEARCH &WORK EXPERIENCE

Allen Institute for Artificial Intelligence,

Intern, AllenNLP Aug 2019 – Nov 2019
- Supervisors: Matt Gardner
- Research: *Question and Answering on Reasoning over Documents*

Singapore University of Technology Design,

Research Assistant , Natural Language Processing Group May 2015 – Aug 2017
- Supervisors: Yue Zhang
- Research: *Syntactic parsing*

Northeastern University,

Visiting student, Natural Language Processing Group Jan 2015 – Feb 2015
- Supervisors: Tong Xiao
- Research: *Japanese-Chinese Statistical Machine Translation*

Chinese Academy of Sciences

Visiting student, Natural Language Processing Group Nov 2013 – Dec 2014
- Supervisors: Wenbin Jiang and Qun Liu
- Research: *Japanese Morphology Analysis and Dependency Analysis*

PUBLICATIONS

Jiangming Liu, Shay B. Cohen and Mirella Lapata. Dscorer: A Fast Evaluation Metric for Discourse Representation Structure Parsing. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL)*. Jul 2020.

Qiankun Fu, Yue Zhang, **Jiangming Liu**, Meishan Zhang DRTS Parsing with Structure-Aware Encoding and Decoding In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL)*. Jul 2020.

Jiangming Liu, Shay B. Cohen and Mirella Lapata. Discourse Representation Parsing for Sentences and Documents. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL)*. Jul 2019.

Jiangming Liu, Shay B. Cohen and Mirella Lapata. Discourse Representation Structure Parsing with Recurrent Neural Networks and the Transformer Model In *Proceedings of the Shared Task on Semantic Parsing of the 13th International Conference on Computational Semantics (IWCS)*. May 2019.

Jiangming Liu, Shay B. Cohen and Mirella Lapata. Discourse Representation Structure Parsing. In *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (ACL)*. Jul 2018.

Qi Liu, Yue Zhang and **Jiangming Liu**. Learning Domain Representation for Multi-Domain Sentiment Classification. In *Proceedings of the North American Chapter of the Association for Computational Linguistics (NAACL)*. Jun 2018.

Jiangming Liu and Yue Zhang. In-Order Transition-based Constituent Parsing System. In *Transactions of the Association of Computational Linguistics (TACL)*. Jan 2017.

Jiangming Liu and Yue Zhang. Encoder-Decoder Shift-Reduce Syntactic Parsing. In *Proceedings of International Conference of Parsing Technology (IWPT)*. Pisa, Italy, Aug 2017.

Jiangming Liu and Yue Zhang. Attention Modeling for Targeted Sentiment. In *Proceedings of the European Chapter of the Association for Computational Linguistics (EACL)*. Valencia, Spain, Apr 2017.

Jiangming Liu and Yue Zhang. Shift-Reduce Constituent Parsing with Neural Lookahead Features. In *Transactions of the Association of Computational Linguistics (TACL)*. Jan 2017.

Jiangming Liu and Yue Zhang. An Empirical Comparison Between N-gram and Syntactic Language Model for Word Ordering. In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Lisboa, Portugal, Sep 2015.

JinAn Xu, **Jiangming Liu**, Yufeng Chen, Yujie Zhang, Fang Ming and Shaotong Li. Integrating Case Frame into Japanese to Chinese Hierarchical Phrase-based Translation Model. In *workshop of Semantics-Driven Statistical Machine Translation (S2MT) in ACL*. Beijing, China, Jul 2015.

Jiangming Liu, JinAn Xu, Jun Xie and Yujie Zhang. Case Frame Constraints For Hierarchical Phrase-based Translation: Japanese-Chinese as an Example. In *Proceedings of the conference on Natural Language Processing & Chinese Computing (NLP&CC)*. Shenzhen, China, Dec 2014. Published in Lecture Note in Computer Science, Springer.

Jiangming Liu, JinAn Xu and Yujie Zhang. An Approach of Hybrid Hierarchical Structure for Word Similarity Computing by HowNet. In *Proceedings of the International Joint Conference of Natural Language Processing (IJCNLP)*. Nagoya, Japan, Oct 2013.

Jiangming Liu, JinAn Xu and Yujie Zhang. Summarization Based on Hidden Topic Markov Model with Multi-Feature. In *Proceedings of the conference on Natural Language Processing & Chinese Computing (NLP&CC)*. Chongqing, China, Oct 2013. Publiced on the journal of Acta Scientiarum Naturalium Universitatis Pekinensis.

ACADEMIC HONORS & AWARDS	Beijing JiaoTong University scholarship For outstanding students.	2008 – 2015
	Graduate National scholarship For outstanding scientific contributions.	Oct 2013

PROFESSIONAL SERVICE **Reviewer for conference**: ACL (2017, 18, 19, 20), EMNLP (2017, 18, 19), COLING (2018), IJCAI (2018, 19, 20), AAAI (2019, 20), CLP (2016), PACLIC (2018), IALP (2018), NLPCC (2016, 17, 18, 19). **Reviewer for journal**: Computational Linguistics (CL), Transactions on Asian and Low-Resource Language Information Processing (TALLIP), Transactions on Big Data (TBD), Information Sciences. **Co-Chair**: Student research workshop in ACL (2020).

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