Long Zhou (周龙)　　Homepage: https://long-zhou.github.io

Email: long.zhou@nlpr.ia.ac.cn　　Tel: (+86) 18200293217

National Laboratory of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences

✧ Education

Sep 2015 - Jan 2020　　Ph.D. in Institute of Automation, Chinese Academy of Sciences

Sep 2011 - Jan 2015　　B.S. in College of electronic information engineering, Sichuan University

✧ Publications

- **Long Zhou**, Wenpeng Hu, Jiajun Zhang and Chengqing Zong. Neural System Combination for Machine Translation. In Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (ACL-2017),Vancouver, Canada, July 31-August 2, 2017, pages 378-384. (CCF-A)

- **Long Zhou**, Jiajun Zhang and Chengqing Zong. Look-ahead Attention for Generation in Neural Machine Translation. In Proceedings of the Sixth Conference On Natural Language Processing and Chinese Computing(NLPCC-2017)，Dalian, China, November, 8-12, 2017. (Best Paper Award, CCF-C)

- **Long Zhou**, Jiajun Zhang, Chengqing Zong. Synchronous Bidirectional Neural Machine Translation, Transactions of Association for Computational Linguistics (TACL, presentation in CCF-A ACL 2019), Vol. 7, pp. 91-105, 2019.

- **Long Zhou**, Jiajun Zhang, Chengqing Zong and Heng Yu. Sequence Generation: From Both Sides to the Middle. In Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI-19), Macao, China, August 10-16, 2019. (CCF-A)

- **Long Zhou**, Yining Wang, Yang Zhao, Jiajun Zhang and Chengqing Zong. CASIA Techincal Report for the CWMT2017. In the 13th China Workshop on Machine Translation(CWMT-2017)，Dalian, China, September, 27-29, 2017. (In Chinese, First Place & Third Place)

- Yining Wang, **Long Zhou**, Jiajun Zhang, Feifei Zhai, Jingfang Xu an**d** Chengqing Zong. A Compact and Language-Sensitive Multilingual Translation Method. In Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL-2019), Florence, Italy, July 28-August 2, 2019. (CCF-A)

- Yining Wang, **Long Zhou**, Jiajun Zhang and Chengqing Zong. Word, Subword or Character? An Empirical Study of Granalarity in Chinese-English NMT. In: Wong D., Xiong D. (eds) Machine Translation. CWMT 2017. Communications in Computer and Information Science, vol 787. Springer, Singapore. (EI)

- Yuchen Liu, **Long Zhou**, Yining Wang, Yang Zhao, Jiajun Zhang and Chengqing Zong. A Comparable Study on Model Averaging, Ensembling and Reranking in NMT. In Proceedings of the Seventh Conference On Natural Language Processing and Chinese Computing (NLPCC-2018)，Hohhot, China, August, 26-30, 2018, pp. 299-308. (CCF-C)

- Xiaomian Kang, Haoran Li, **Long Zhou**, Jiajun Zhang and Chengqing Zong. An End-to-End Chinese Discourse Parser with Adaptation to Explicit and Non-explicit Relation Recognition . In Proceedings of the Twentieth Conference on Computational Natural Language Learning (CoNLL): Shared Task. Berlin, Germany, August 11-12, 2016, pages 27-32. (CCF-C, First Place)
- Junnan Zhu, **Long Zhou**, Haoran Li, Jiajun Zhang, Yu Zhou and Chengqing Zong. Augmenting Neural Sentence Summarization through Extractive Summarization. In Proceedings of the Sixth Conference On Natural Language Processing and Chinese Computing(NLPCC-2017)，Dalian, China, November, 8-12, 2017. (CCF-C)

◇ Projects

Oct 2016 – Oct 2017	English-Chinese machine translation system for Boeing.
Dec 2017 - Jan 2018	Multilingual machine translation system on and Chinese-English and Uighur-Chinese for Toshiba and Tencent, respectively.
Nov 2018 - May 2019	Development and research of synchronous bidirectional neural machine translation for Alibaba and Docomo, respectively.

◇ Software

- Transformer: A simple Tensorflow implementation of the Transformer.
Link: https://github.com/wszlong/transformer
- Transformer-translator: A C++/CUDA toolkit for Transformer (NMT) Translator (Decoder).
Link: https://github.com/wszlong/transformer-translator
- SB-NMT: Code for Synchronous Bidirectional Neural Machine Translation (SB-NMT).
Link: https://github.com/wszlong/sb-nmt
- RNMT: A C++/CUDA toolkit for neural machine translation (RNN-Based NMT).
Link: https://github.com/wszlong/rnmt

◇ Competition

- CoNLL-2016 Shared Task on Chinese Shallow Discourse Parsing, First Flace
- Machine Translation Evaluation in CWMT 2017, First Place for & Third Place.
- The English-Chinese Machine Translation track in AI Challenger 2017, Third Place.

◇ Awards

NVIDIA Internship Scholarship, 2018
NLPCC2017 Best Paper Award, 2017
Excellent students of Chinese Academy of Sciences, 2016
Outstanding university graduates of Sichuan Province, 2015 (top 1%)
National Scholarship, 2011-2014 (Top 2%)