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PROFILE

I am currently a second-year PhD student at HLT@SUDA, co-advised by Prof. Guohong Fu and Prof. Zhenghua Li (expected to graduate in 2024). Prior to this, I received my M. Eng. degree from Soochow University in 2021.

Previously, my main research interest focuses on solving structured prediction tasks, including dependency parsing, constituency parsing and semantic role labeling. Now, I'm intrigued by text generation, especially pursuing for efficient methods like non-/semi-autoregressive text generation.

PUBLICATIONS

[\[Semantic Scholar\]](#) [\[Google Scholar\]](#) [\[DBLP\]](#) (* denotes equal contributions)

- Non-autoregressive Text Editing with Copy-aware Latent Alignments
Yu Zhang*, Yue Zhang*, Leyang Cui, Guohong Fu
EMNLP 2023
- Semantic Role Labeling as Dependency Parsing: Exploring Latent Tree Structures Inside Arguments
Yu Zhang, Qingrong Xia, Shilin Zhou, Yong Jiang, Guohong Fu, Min Zhang
COLING 2022
- Fast and Accurate End-to-End Span-based Semantic Role Labeling as Word-based Graph Parsing
Shilin Zhou, Qingrong Xia, Zhenghua Li, Yu Zhang, Yu Hong, Min Zhang
COLING 2022 (*Best Paper Award*)
- Fast and Accurate Neural CRF Constituency Parsing
Yu Zhang*, Houquan Zhou*, Zhenghua Li
IJCAI 2020
- Efficient Second-Order TreeCRF for Neural Dependency Parsing
Yu Zhang, Zhenghua Li, Min Zhang
ACL 2020
- Is POS Tagging Necessary or Even Helpful for Neural Dependency Parsing?
Houquan Zhou*, Yu Zhang*, Zhenghua Li, Min Zhang
NLPCC 2020 (*Best Paper Award*)

- HLT@SUDA at SemEval-2019 Task 1: UCCA Graph Parsing as Constituent Tree Parsing
Wei Jiang, Zhenghua Li, **Yu Zhang**, Min Zhang
SemEval 2019

PROJECTS

- **SuPar**: State-of-the-art syntactic/semantic parsers (760 stars, 21k downloads)
A Python package designed for structured prediction, including reproductions of many state-of-the-art syntactic/semantic parsers (with pretrained models for more than 19 languages), and highly-parallelized implementations of several well-known structured prediction algorithms.

EDUCATION

- 2018.9-2021.6: *Master of Computer Science* from **Soochow University**
2014.9-2018.6: *Bachelor of Engineering* from **Soochow University**

EXPERIENCE

- 2023 - present. Research Intern at Tencent AI Lab, mentored by Wei Bi.
- 2021 - present. PhD student at Soochow University, co-advised by Prof. Guohong Fu and Prof. Zhenghua Li.
- 2020 - 2021. Research Intern at Alibaba DAMO Academy, mentored by Yong Jiang.
- 2018 - 2021: M.S. student at Soochow University, advised by Prof. Zhenghua Li.