

# Yaxin Fan

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## EDUCATION

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**Soochow University**, Jiangsu, China

2021/09 – 2025/06 (Expected)

*PhD* in Software Engineering

- **Supervisor:** Prof. Peifeng Li
- **Research Interest:** Natural Language Processing, Discourse Analysis In Dialogue, Application of Discourse to Dialogue Systems

**Zhengzhou University**, Henan, China

2015/09 – 2019/06

*B.S.* in Computer Science and Technology

## EXPERIENCE

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**The Chinese University of Hong Kong, Shenzhen** Guangdong, China

2023/03 – 2023/11

*Visiting Student*

- Advisor: Prof. Haizhou Li
- work on Evaluation of Chinese medical LLMs, application of discourse to open-domain LLMs

## SELECTED PUBLICATIONS

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First-Author Publications:

- **Yaxin Fan**, Peifeng Li, and Qiaoming Zhu. 2024. Improving Multi-party Dialogue Generation via Topic and Rhetorical Coherence. In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP'2024).
- **Yaxin Fan**, Feng Jiang, Peifeng Li, and Haizhou Li. 2024. Uncovering the Potential of ChatGPT for Discourse Analysis in Dialogue: An Empirical Study. In Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING'2024).
- **Yaxin Fan**, Feng Jiang, Peifeng Li, Fang Kong, and Qiaoming Zhu. 2023. Improving Dialogue Discourse Parsing via Reply-to Structures of Addressee Recognition. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP'2023).
- **Yaxin Fan**, Feng Jiang, Peifeng Li, Haizhou Li. GrammarGPT: Exploring Open-Source LLMs for Native Chinese Grammatical Error Correction with Supervised Fine-Tuning. 2023. In Proceedings of the 12th CCF International Conference on Natural Language Processing and Chinese Computing (NLPCC'23).
- **Yaxin Fan**, Peifeng Li, Fang Kong, and Qiaoming Zhu. A Distance-Aware Multi-Task Framework for Conversational Discourse Parsing. 2022. In Proceedings of the 29th International Conference on Computational Linguistics (COLING'22).

Co-Author Publications:

- Zhiyu Cao, Peifeng Li, **Yaxin Fan**, and Qiaoming Zhu. 2024. Incomplete Utterance Rewriting with Editing Operation Guidance and Utterance Augmentation. In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP'2024).
- Chuyi Kong, **Yaxin Fan**, Xiang Wan, Feng Jiang, and Benyou Wang. 2024. PlatoLM: Teaching LLMs in Multi-Round Dialogue via a User Simulator. In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics. (ACL'2024).
- Feng Jiang, **Yaxin Fan**, Xiaomin Chu, Peifeng Li, and Qiaoming Zhu. 2021. Not Just Classification: Recognizing Implicit Discourse Relation on Joint Modeling of Classification and Generation. In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP'2021).
- Feng Jiang, **Yaxin Fan**, Xiaomin Chu, Peifeng Li, Qiaoming Zhu, and Fang Kong. 2021. Hierarchical Macro Discourse Parsing Based on Topic Segmentation. In Proceedings of the Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI'21).

## HONORS & AWARDS

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- Third Place in 2023 NLPCC Shared Task 1 2023/05
- Second Place in Track 1, 2022 NLPCC Shared Task 6. 2022/05
- Third Place in Legal Summarization Track, 2021 Challenge of AI in Law (CAIL). 2021/10
- National Scholarship for Graduate Student 2019/11

## TECHNICAL SKILLS

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- Language: Chinese (Native), English (Fluent)
- Coding: Python, C/C++, Java, SQL
- Tools: PyTorch, Git, LaTeX, Markdown