Yaxin Fan

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EDUCATION

Soochow University, Jiangsu, China   2019/09 – 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

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

First-Author Publications:

- **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:

- 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

- National Scholarship for Graduate Student — 2019/11
- 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

TECHNICAL SKILLS

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