

Xiachong Feng

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EMPLOYMENT

Postdoctoral Researcher, Department of Computer Science, The University of Hong Kong, 2024–*present*

Research Internships: WING, National University of Singapore (Aug.2020 - Jun.2023)

EDUCATION

Ph.D. Faculty of Computing, Harbin Institute of Technology, 2023

Thesis: Research on Dialogue Summarization Techniques Based on Knowledge Enhancement

Supervisors: Prof. Bing Qin and Prof. Xiaocheng Feng

B.E. School of Software, Harbin Institute of Technology, 2018

Thesis: Design and Development of a PyTorch-Based Cross-Lingual Entity Extraction Platform

AWARDS

2021	Ph.D. National Scholarship
2021	CCL Best Paper Award
2020	Ph.D. China Scholarship Council (CSC) Scholarship
2018	B.E. Outstanding Graduate Award at Provincial Level
2017	B.E. Outstanding Student Cadres at Provincial Level
2017	B.E. National Scholarship
2016	B.E. National Scholarship

PUBLICATIONS

PREPRINTS

7. Qiushi Sun, Zhoumianze Liu, Chang Ma, Zichen Ding, Fangzhi Xu, Zhangyue Yin, Haiteng Zhao, Zhenyu Wu, Kanzhi Cheng, Zhaoyang Liu, Jianing Wang, Qintong Li, Xiangru Tang, Tianbao Xie, **Xiachong Feng**, Xiang Li, Ben Kao, Wenhai Wang, Biqing Qi, Lingpeng Kong, and Zhiyong Wu (2025). [ScienceBoard: Evaluating Multimodal Autonomous Agents in Realistic Scientific Workflows](#). arXiv 2505.19897
6. **Sailor2 Team** (2025). [Sailor2: Sailing in South-East Asia with Inclusive Multilingual LLMs](#). arXiv 2502.12982
5. Yangfan Ye, Xiaocheng Feng, **Xiachong Feng**, Libo Qin, Yichong Huang, Lei Huang, Weitao Ma, Zhirui Zhang, Yunfei Lu, Xiaohui Yan, Duyu Tang, Dandan Tu, and Bing Qin (2024). [XTransplant: A Probe into the Upper Bound Performance of Multilingual Capability and Culture Adaptability in LLMs via Mutual Cross-lingual Feed-forward Transplantation](#). arXiv 2412.12686
4. Botian Jiang, Lei Li, Xiaonan Li, Zhaowei Li, **Xiachong Feng**, Lingpeng Kong, Qi Liu, Lingpeng Kong, and Xipeng Qiu (2024). [Understanding the Role of LLMs in Multimodal Evaluation Benchmarks](#). arXiv 2410.12329
3. Haochuan Wang*, **Xiachong Feng***, Lei Li, Yu Guo, Zhanyue Qin, Dianbo Sui, and Lingpeng Kong (2024). [TMG-Bench: A Systematic Game Benchmark for Evaluating Strategic Reasoning Abilities of LLMs](#). arXiv 2410.10479
2. **Xiachong Feng**, Xiaocheng Feng, and Bing Qin (2023). [The Role of Summarization in Generative Agents: A Preliminary Perspective](#). ArXiv 2305.01253
1. Yichong Huang, **Xiachong Feng**, Xiaocheng Feng, and Bing Qin (2021). [The Factual Inconsistency Problem in Abstractive Text Summarization: A Survey](#). ArXiv 2104.14839

PEER-REVIEWED JOURNAL ARTICLES

4. Libo Qin, Qiguang Chen, **Xiachong Feng**, Yang Wu, Yongheng Zhang, Yinghui Li, Min Li, Wanxiang Che, and Philip S. Yu (2025). [Large Language Models Meet NLP: A Survey](#). In *Frontiers of Computer Science*. **FCS 2025**

3. **Xiachong Feng**, Longxu Dou, Ella Li, Qinghao Wang, Yu Guo, Haochuan Wang, Chang Ma, and Lingpeng Kong (2025). [A Survey on Large Language Model-Based Social Agents in Game-Theoretic Scenarios](#). In *Transactions on Machine Learning Research*. [Survey Certification] **TMLR 2025**
2. **Xiachong Feng**, Xiaocheng Feng, Xiyuan Du, Min-Yen Kan, and Bing Qin (2024). [Adapter-Based Selective Knowledge Distillation for Federated Multi-Domain Meeting Summarization](#). In *IEEE/ACM Transactions on Audio, Speech, and Language Processing*. **TASLP 2024**
1. **Xiachong Feng**, Xiaocheng Feng, Bing Qin, and Ting Liu (2023). [Aligning Semantic in Brain and Language: A Curriculum Contrastive Method for Electroencephalography-to-Text Generation](#). In *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. **TNSRE 2023**

CONFERENCE PROCEEDINGS

20. JinYang Huang*, **Xiachong Feng***, Qiguang Chen, Hanjie Zhao, Zihui Cheng, Jiesong Bai, Jingxuan Zhou, Min Li, and Libo Qin (2025). [MLDebugging: Towards Benchmarking Code Debugging Across Multi-Library Scenarios](#). In *Findings of the Association for Computational Linguistics ACL 2025* **ACL Findings 2025**
19. Weitao Ma, Xiyuan Du, Xiaocheng Feng, Lei Huang, Yichong Huang, Huiyi Zhang, Xiaoliang Yang, Baohang Li, **Xiachong Feng**, Ting Liu, and Bing Qin (2025). [One for All: Update Parameterized Knowledge Across Multiple Models with Once Edit](#). In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. **ACL 2025**
18. Lei Huang, Xiaocheng Feng, Weitao Ma, Yuchun Fan, **Xiachong Feng**, Yangfan Ye, Weihong Zhong, Yuxuan Gu, Baoxin Wang, Dayong Wu, Guoping Hu, and Bing Qin (2025). [Improving Contextual Faithfulness of Large Language Models via Retrieval Heads-Induced Optimization](#). In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. **ACL 2025**
17. **Xiachong Feng**, Longxu Dou, and Lingpeng Kong (2025). [Reasoning Does Not Necessarily Improve Role-Playing Ability](#). In *Findings of the Association for Computational Linguistics ACL 2025* **ACL Findings 2025**
16. Yangfan Ye, Xiaocheng Feng, Zekun Yuan, **Xiachong Feng**, Libo Qin, Lei Huang, Weitao Ma, Yichong Huang, Zhirui Zhang, Yunfei Lu, Xiaohui Yan, Duyu Tang, Dandan Tu, and Bing Qin (2025). [CC-Tuning: A Cross-Lingual Connection Mechanism for Improving Joint Multilingual Supervised Fine-Tuning](#). In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. **ACL 2025**
15. Lei Huang, Xiaocheng Feng, Weitao Ma, Yuchun Fan, **Xiachong Feng**, Yuxuan Gu, Yangfan Ye, Liang Zhao, Weihong Zhong, Baoxin Wang, Dayong Wu, Guoping Hu, Lingpeng Kong, Tong Xiao, Ting Liu, and Bing Qin (2025). [Alleviating Hallucinations from Knowledge Misalignment in Large Language Models via Selective Abstention Learning](#). In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. **ACL 2025**
14. Xinmiao Yu, Xiaocheng Feng, Yun Li, Minghui Liao, Ya-Qi Yu, **Xiachong Feng**, Weihong Zhong, Ruihan Chen, Mengkang Hu, Jihao Wu, Duyu Tang, Dandan Tu, and Bing Qin (2024). [Cross-Lingual Text-Rich Visual Comprehension: An Information Theory Perspective](#). In *Proceedings of the AAAI Conference on Artificial Intelligence* **AAAI 2025**
13. Weitao Ma, Xiaocheng Feng, Weihong Zhong, Lei Huang, Yangfan Ye, **Xiachong Feng**, and Bing Qin (2024). [Unveiling Entity-Level Unlearning for Large Language Models: A Comprehensive Analysis](#). In *Proceedings of the 31st International Conference on Computational Linguistics* **COLING 2025**
12. Yangfan Ye, **Xiachong Feng**, Xiaocheng Feng, Weitao Ma, Libo Qin, Dongliang Xu, Qing Yang, Hongtao Liu, and Bing Qin (2024). [GlobeSumm: A Challenging Benchmark Towards Unifying Multi-lingual, Cross-lingual and Multi-document News Summarization](#). In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*. **EMNLP 2024**
11. Liang Zhao, **Xiachong Feng**, Xiaocheng Feng, Weihong Zhong, Dongliang Xu, Qing Yang, Hongtao Liu, Bing Qin, and Ting Liu (2024). [Length Extrapolation of Transformers: A Survey from the Perspective of Positional Encoding](#). In *Findings of the Association for Computational Linguistics: EMNLP 2024*. **EMNLP Findings 2024**
10. Lei Li, Yuqi Wang, Runxin Xu, Peiyi Wang, **Xiachong Feng**, Lingpeng Kong, and Qi Liu (2024). [Multimodal ArXiv: A Dataset for Improving Scientific Comprehension of Large Vision-Language Models](#). In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. **ACL 2024**
9. Lei Huang, Xiaocheng Feng, Weitao Ma, Yuxuan Gu, Weihong Zhong, **Xiachong Feng**, Weijiang Yu, Weihua Peng, Duyu Tang, Dandan Tu, and Bing Qin (2024). [Learning Fine-Grained Grounded Citations for Attributed Large Language Models](#). In *Findings of the Association for Computational Linguistics ACL 2024*. **ACL Findings 2024**
8. Kun Zhu, Xiaocheng Feng, **Xiachong Feng**, Yingsheng Wu, and Bing Qin (2023). [Hierarchical Catalogue Generation for Literature Review: A Benchmark](#). In *Findings of the ACL: EMNLP 2023*. **EMNLP Findings 2023**

7. Jie Huang, **Xiachong Feng**, Yangfan Ye, Liang Zhao, Xiaocheng Feng, Bing Qin, and Ting Liu (2023). [Dialogue Context Modelling for Action Item Detection: Solution for ICASSP 2023 Mug Challenge Track 5](#). In *2023 IEEE International Conference on Acoustics, Speech and Signal Processing (Challenge Track)*. **ICASSP 2023**
6. **Xiachong Feng**, Xiaocheng Feng, and Bing Qin (2022). [MSAMSum: Towards Benchmarking Multi-lingual Dialogue Summarization](#). In *Proceedings of the Second DialDoc Workshop on Document-grounded Dialogue and Conversational Question Answering*. **ACL 2022 Dialdoc Workshop**
5. **Xiachong Feng**, Xiaocheng Feng, and Bing Qin (2022). [A Survey on Dialogue Summarization: Recent Advances and New Frontiers](#). In *Proceedings of the Thirty-First International Joint Conference on Artificial Intelligence*. **IJCAI 2022**
4. **Xiachong Feng**, Xiaocheng Feng, Libo Qin, Bing Qin, and Ting Liu (2021). [Language Model as an Annotator: Exploring DialoGPT for Dialogue Summarization](#). In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics*. **ACL 2021**
3. **Xiachong Feng**, Xiaocheng Feng, Bing Qin, and Xinwei Geng (2021). [Dialogue Discourse-Aware Graph Model and Data Augmentation for Meeting Summarization](#). In *Proceedings of the Thirtieth International Joint Conference on Artificial Intelligence*. **IJCAI 2021**
2. **Xiachong Feng**, Xiaocheng Feng, and Bing Qin (2021). [Incorporating Commonsense Knowledge into Abstractive Dialogue Summarization via Heterogeneous Graph Networks](#). In *Proceedings of the 20th Chinese National Conference on Computational Linguistics*. **CCL 2021, Best Long Paper**
1. Xiaocheng Feng, **Xiachong Feng**, Bing Qin, Zhangyin Feng, and Ting Liu (2019). [Improving Low Resource Named Entity Recognition using Cross-lingual Knowledge Transfer](#). In *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence*. **IJCAI 2018**

COMPETITION

1. ICASSP 2023 General Meeting Understanding and Generation Challenge, Track5: Action Item Detection, Rank 1st

TEACHING EXPERIENCE

1. Teaching Assistant, The University of Hong Kong, Spring 2025

INVITED TALKS

6. "LLM-Based Social Simulation: Progress, Challenges, and Trends" at The 24th China National Conference on Computational Linguistics (CCL). (2025)
5. "The Game Intelligence of Social Agents: Evaluation Benchmarks and Agent Architectures" at The Fifth Chinese Conference on Affective Computing (CCAC). (2025)
4. "Strategic Reasoning of Large Language Models from a Game Theory Perspective" at the CCF 2024 Annual Conference on Computational Economics. (2024)
3. "Taking the First Step Toward Interdisciplinary Studies" at the 2023 China Conference on Social Media Processing (SMP). (2023)
2. "Dialogue Summarizations" at the Alibaba DAMO Academy, Language Technology Lab, Conversational AI. (2022)
1. "Dialogue Summarizations" at the Natural Language Processing Lab at Tsinghua University: THUNLP. (2021)