

Keyi Kong

Final-year CS undergraduate with strong research and programming skills, specializing in LLMs.

Education Background

- Sep. 2022 **Bachelor's Degree**, Taishan (Honors) College, Shandong University
– Present
 - Major: Computer Science and Technology
 - Research field: Generative Information Retrieval (GenIR)
 - Research field: Trustworthy Large Language Models (Trustworthy LLMs)

Publications

* Equal contribution

- [1] Weiwei Sun*, **Keyi Kong***, Xinyu Ma, Shuaiqiang Wang, Dawei Yin, Maarten de Rijke, Zhaochun Ren and Yiming Yang. ZeroGR: A Generalizable and Scalable Framework for Zero-Shot Generative Retrieval. *arXiv:2510.10419*, preprint.
- [2] **Keyi Kong***, Xilie Xu*, Di Wang, Jingfeng Zhang, and Mohan Kankanhalli. Perplexity-aware Correction for Robust Alignment with Noisy Preferences. In *The Thirty-Eighth Annual Conference on Neural Information Processing Systems (NeurIPS)*, 2024.
- [3] Xilie Xu*, **Keyi Kong***, Ning Liu, Lizhen Cui, Di Wang, Jingfeng Zhang, and Mohan Kankanhalli. An LLM can Fool Itself: A Prompt-Based Adversarial Attack. In *The Twelfth International Conference on Learning Representations (ICLR)*, 2024. (More than 100 citations on Google Scholar)

Competition Awards

- Nov. 2023 **Gold Medal (28th)**, ICPC Asia Regional Contest (Hefei)
Team: Keyi Kong, Yue Su, Yuting Li | Coach: Yunhai Wang
- May 2024 **Champion**, CCPC – Shandong Provincial Contest
Team: Keyi Kong, Yuting Li, Yunqi Yang | Coach: Xuefeng Cui
- May 2024 **3rd Place**, CCPC – National Invitational Contest (Shandong)
Team: Keyi Kong, Yuting Li, Yunqi Yang | Coach: Xuefeng Cui

Collaborations

- [4] Baidu Search (including **Keyi Kong**). Towards AI Search Paradigm. *arXiv:2506.17188*, preprint. ([Technical Report](#))
- [5] Xingjian Diao, Chunhui Zhang, **Keyi Kong**, Weiyi Wu, Chiyu Ma, Zhongyu Ouyang, Peijun Qing, Soroush Vosoughi, and Jiang Gui. SoundMind: RL-Incentivized Logic Reasoning for Audio-Language Models. In *The 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2025. ([Oral Presentation](#))
- [6] Xingjian Diao*, Weiyi Wu*, **Keyi Kong**, Peijun Qing, Xinwen Xu, Ming Cheng, Soroush Vosoughi, and Jiang Gui. An End-to-End Adaptable Prototypical Framework for Explainable Fine-Grained Visual Question Answering. In *The 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2025. ([Oral Presentation](#))
- [7] Wenhao You, Xingjian Diao, Chunhui Zhang, **Keyi Kong**, Weiyi Wu, Zhongyu Ouyang, Chiyu Ma, Tingxuan Wu, Noah Wei, Zong Ke, Ming Cheng, Soroush Vosoughi, and Jiang Gui. Music's Multimodal Complexity in AVQA: Why We Need More than General Multimodal LLMs. *arXiv:2505.20638*, preprint.
- [8] Tianjiao Xu, Jinfei Gao, **Keyi Kong**, Tian Gan, Jianhua Yin, and Liqiang Nie. Generative Agents for Multimodal Controversy Detection. In *The 34th International Joint Conference on Artificial Intelligence (IJCAI)*, 2025.
- [9] Wentao Deng, Jiahuan Pei, **Keyi Kong**, Zhe Chen, Furu Wei, Yujun Li, Zhaochun Ren, Zhumin Chen, Pengjie Ren. Syllogistic Reasoning for Legal Judgment Analysis. In *The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2023. ([Oral Presentation](#))

Internship Experience

- Nov. 2024 *Search Science Team @ Baidu Inc.*, Beijing
- Oct. 2025 Mentor: Dr. Xinyu Ma
- Jul. 2024 *N-CRiPT Lab @ National University of Singapore*, Singapore
- Sep. 2024 Supervisor: Prof. Mohan Kankanhalli
- Sep. 2023 *IR Lab @ Shandong University*, Qingdao
- May 2024 Supervisor: Prof. Pengjie Ren

Academic Service

- Reviewer ICLR (2025, 2026), ICML (2025), NeurIPS (2024, 2025), AISTATS (2025, 2026), ACL (2025), EMNLP (2025), AAAI (2026)