Xiaotian Ye

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🎓 Education

B.Eng. in Computer Science   *Sep 2022 - Jun 2026*

Beijing University of Posts and Telecommunications

◇ **Overall GPA:** 92.17/100, 3.82/4.00

◇ **Activities and societies:** Member of ICPC Programming Team *(Gold medal in BUPT Campus Programming Contest for Freshmen, which is the team formation contest)*.

◇ **Coursework:** Foundation of Programming (98), Design and Analysis of Algorithms (98), Data Structures (97), Python Programming (99), Matrix Theory (99), Computer Systems (95), Formal Languages and Automata (96), Computer Networks (93), Operating Systems (94), etc.

📖 Publications & Manuscripts

- *Asterisk mark (*) denotes equal contribution as co-first author.*

» Research Highlights

[c1] **Uncovering Overfitting in Large Language Model Editing**
Mengqi Zhang*, <u>Xiaotian Ye</u>*, Qiang Liu, Pengjie Ren, Shu Wu, Zhumin Chen
ICLR 2025 Spotlight

[c2] **Knowledge Graph Enhanced Large Language Model Editing**
Mengqi Zhang*, <u>Xiaotian Ye</u>*, Qiang Liu, Pengjie Ren, Shu Wu, Zhumin Chen
EMNLP 2024

» Other Publications & Preprints

[c1] **Open Problems and a Hypothetical Path Forward in LLM Knowledge Paradigms**
<u>Xiaotian Ye</u>, Mengqi Zhang, Shu Wu
Preprint, in submission

[c2] **Disentangling Knowledge Representations for Large Language Model Editing**
Mengqi Zhang*, Zisheng Zhou*, <u>Xiaotian Ye</u>, Zhaochun Ren, Zhumin Chen, Pengjie Ren
Preprint, in submission to ICML 2025

[c3] **UIPE: Enhancing LLM Unlearning by Removing Knowledge Related to Forgetting Targets**
Wenyu wang*, Mengqi Zhang*, <u>Xiaotian Ye</u>, Zhaochun Ren, Zhumin Chen, Pengjie Ren
Preprint, in submission to ACL 2025

[c4] **KELE: Residual Knowledge Erasure for Enhanced Multi-hop Reasoning in Knowledge Editing**
Mengqi Zhang*, Bowen Fang*, Qiang Liu, <u>Xiaotian Ye</u>, Shu Wu, Pengjie Ren, Zhumin Chen et al.
Preprint, in submission to ACL 2025

🏛 Internship / Research Experience

🏢 Research Intern   *Jun 2023 – Present*

Institute of Automation, Chinese Academy of Sciences   *Beijing, China*

◇ Work at NLPR & MAIS (State Key Lab of Multimodal AI Systems), where I am supervised by Prof. Shu Wu and work with Prof. Mengqi Zhang.

◇ Research focused on *knowledge representation learning* & *content safety* in Large Language Models, with specific emphasis on knowledge editing and LLM unlearning techniques.

◇ **Project 1: Knowledge Editing of LLMs.** Actively engaged in the full research cycle from literature survey to post-rebuttal paper finalization, served as primary contributor for two works. (1) Proposed knowledge graph enhanced editing framework, accepted at EMNLP 2024; and (2) first identified and analyzed overfitting phenomena in model editing, accepted as spotlight paper at ICLR 2025 (co-first & first student author). Collaborated on three additional projects, currently under review at ICML/ACL.

◇ **Project 2: Machine Unlearning in Language Models.** Led a critical analysis of existing unlearning paradigms as first author, revealing limitations in current approaches, the resulting paper is in submission. Additionally contributed to the development of parameter extrapolation based unlearning framework, currently under review at ACL 2025.

🏅 Selected Awards & Honors

- International Silver Medal, *ICPC, Asia Regional Contest*   *Dec 2023*
- National Silver Medal, *China Collegiate Programming Contest*   *Oct 2023*
- National First Prize, *National English Competition for College Students, Final*   *Jun 2023*
- National Individual Third Prize, *CCCC-GPLT, National Final*   *May 2023*
- Merit Student, *Beijing University of Posts and Telecommunications*   *Oct 2023*

⚒ Skills

◇ **Programming** Especially experienced in Python, C++ and C; comfortable with JavaScript, Java. Experienced in programming under Unix-like environments including linux. Experienced and interested in Competitive Programming.

◇ **Machine Learning** Experienced in PyTorch, Scikit-Learn and NumPy; Have a good knowledge of theories and methods about machine learning and LLMs, especially in the field of LLM knowledge and interpretability, and understand common and important concepts in other domains as well.

◇ **English Proficiency** TOEFL 106 (R 29, L 28, S 23, W 26). Proficient in academic reading and writing.