



北京大学
PEKING UNIVERSITY

Jiatao Li

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EDUCATION

• Peking University

B.S. in Data Science | GPA Rank: 1st in Department

Beijing, China

Sep 2022 – July 2026 (expected)

RESEARCH EXPERIENCE

• Wangxuan Institute of Computer Technology, Peking University

Feb. 2024 – Present

Undergraduate Researcher (Advisor: Prof. Xiaojun Wan)

Beijing, China

- **Retrieval Augmented LM:** Developed a training-free unsupervised context selection method that jointly optimizes relevance, diversity, and conflict resolution; designed a taxonomy to investigate strategies for utilizing self-generated documents, enabling adaptive, task-specific context generation.
- **Socially Aware NLP:**
 - * **LLM Intrinsic Bias Probe:** Designed dataset and experimental framework to probe LLMs' socio-cognitive biases and attitude shifts under feedback across social dimensions.
 - * **AI Reviewer Bias Diagnosis:** Introduced reusable perturbation framework and dataset for aspect-level bias detection in review automation, enabling fine-grained analysis.
 - * **Detector Sociolinguistic Bias:** Built dataset to benchmark sociolinguistic biases across groups in AI text detectors; introduced stats method to quantify/isolate attribute biases, controlling confounders.
 - * **Bias Mitigation via Interpretable Detection:** Developed multi-agent zero-shot system grounded in rhetoric/linguistics for transparent, interpretable AI text detection.

• SALT Lab, Stanford University

Mar. 2025 – Present

Undergraduate Researcher (Advisor: Prof. Diyi Yang; through Stanford UGVR Program)

Stanford, CA, USA

- **Human-Agent Collaboration:** Built simulated-user and experiment protocols for scalable human-AI collaboration evaluation; developed plug-and-play layer decoupling task execution and user interaction to turn any autonomous agent into collaborative agent; outperforms baselines on CoGym, TauBench, OSWorld, and WebArena; applied to OS environments for interactive slide creation with real users.

PUBLICATIONS

- **Jiatao Li**, Xinyu Hu, Xunjian Yin, Xiaojun Wan. Evaluating Self-Generated Documents for Enhancing Retrieval-Augmented Generation with Large Language Models. *NAACL 2025 Findings*.
- **Jiatao Li**, Xiaojun Wan. Who Writes What: Unveiling the Impact of Author Roles on AI-generated Text Detection. *ACL 2025*.
- **Jiatao Li**, Yanheng Li, Xinyu Hu, Mingqi Gao, Xiaojun Wan. Aspect-Guided Multi-Level Perturbation Analysis of Large Language Models in Automated Peer Review. *CIKM 2025*.
- **Jiatao Li**, Xinyu Hu, Xiaojun Wan. SMART-RAG: Selection using Determinantal Matrices for Augmented Retrieval. *Under Review*.
- **Jiatao Li**, Yanheng Li, Xiaojun Wan. Analyzing Cognitive Differences Among Large Language Models through the Lens of Social Worldview. *Under Review*.
- **Jiatao Li**, Mao Ye, Cheng Peng, Xunjian Yin, Xiaojun Wan. AGENT-X: Adaptive Guideline-based Expert Network for Threshold-free AI-generated Text Detection. *Under Review*.

HONORS AND AWARDS

- Peking University Annual Person of the Year Nominee (45/65k+, blog spotlight) 2025
- Peking University Annual Person of the Year Nominee (Youngest Nominee, 45/65k+, blog spotlight) 2023
- National Scholarship (China's highest-level undergraduate scholarship, Top 1%) 2025
- May 4th Scholarship (the highest honor for students in Peking University, 125/65k+) 2023
- Alibaba Tianchi BMW 3rd Hackathon (Track & Finals Champion, Team Lead) 2023
- Kaggle House Price Prediction (Top 1%, Solo) 2023
- CSDN Blog Star of the Year (Nationwide, 2M+ visits) 2024
- Beijing Outstanding Class Award (as Class Monitor; the only one among 1,000+ classes at PKU, top 0.1%) 2024
- World School Sport Games Ambassador (China Daily coverage) 2020

SKILLS, INTERESTS & OTHERS

- **Programming** Python, C/C++, Java, \LaTeX , SQL, HTML, CSS, JavaScript, TypeScript, PHP
- **Frameworks & Tools** PyTorch, TensorFlow, Scikit-learn, LangChain, Docker, Git, React, MySQL
- **Languages** Chinese (Native); English (Proficient: TOEFL 107, 21st Century Cup National Final Second Prize)
- **Interests** Basketball, Swimming, Table Tennis, Badminton, Running