

YANHENG LI

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RESEARCH INTERESTS

Substantive: Computer-Mediated Communication, Misinformation, Social Media.

Methodological: Large Language Model, Multi-modal Data, Natural Language Processing.

EDUCATION

- **Renmin University of China** 2022.09 – 2026.06 (expected)
LL.B. in Politics, Economics and Philosophy (PPE) Beijing, China
 - GPA: 3.80/4.00, Rank: 3/29.
- **Luiss Guido Carli** 2024.09 – 2025.02
Erasmus Exchange Student in Data Science Rome, Italy
 - Coursework: Machine Learning, Advanced Statistics
 - GPA: 28.67/30

PEER-REVIEWED PUBLICATIONS

- [1] Li, Yanheng., Wang, Da., and Wang, Yuping. (2025). *Understanding Voter Fraud Misinformation Videos during the 2024 Taiwan Election on YouTube*. Proceedings of the ACM on Human-Computer Interaction 9.7 (2025): 1-40. [[PDF](#)]
 - (a) Awarded with CSCW 2025 Impact Recognition, for strong examples of work that demonstrates or has clear potential to demonstrate real-world or practical impact.
- [2] Li, Jiatao., Li, Yanheng., Hu, Xinyu., Gao, Mingqi., and Wan, Xiaojun. (2025). *Where Do LLMs Go Wrong? Diagnosing Automated Peer Review via Aspect-Guided Multi-Level Perturbation*. In Proceedings of the 34th ACM International Conference on Information and Knowledge Management (CIKM '25). [[PDF](#)]

UNDER REVIEW WORKING PAPERS

- [1] Li, Yanheng., Wang, Da., and Wang, Yuping. (2025). *Understanding Participatory Amplification on YouTube in the Late December 2024 U.S. Government (Almost) Shutdown Crisis*.
- [2] Li, Jiatao., Li Yanheng., and Wan, Xiaojun. (2025). *Analyzing Cognitive Differences Among Large Language Models through the Lens of Social Worldview*. arXiv preprint arXiv:2505.01967.

WORK IN PROGRESS

- [1] *Algorithmic Soft Power and Image Priming: Evidence from “China Tour” Live Streaming. (Data Analysis)*

SELECTED RESEARCH EXPERIENCE

- **Research Assistant in Computational Communication** 2025.01 – Present
Supervisor: Prof. Yingdan Lu, Northwestern University
 - **Project 1: LLM assists Visual Analysis in Social Science Research.**
 - * Designed and ran experiments using LLaVA over 10 large image datasets (10k+ media images).
 - * Evaluated model performance and error patterns.
 - * Conducted a literature review on visual concept recognition by LLMs to inform benchmarking.
 - **Project 2: Analyzing Rednote TikTok-Refugees Posts During TikTok Ban.** *Co-supervised by Prof. Lizhi Liu, Georgetown University*
 - * Processed and analyzed 80k+ large text posts from RedNote.
 - * Built multi-run LLM-based text analysis pipelines with instruction tuning to optimize performance.

- * Conducted topic, sentiment, and toxicity analysis.
- * Validated the consistency and robustness of related findings.

• Research Assistant in Social Media + HCI

Supervisor: Prof. Yuping Wang, Renmin University of China

2024.06 – Present

◦ Project 1: Understanding Voter Fraud Misinformation on YouTube.

- * Collected and processed video, audio, and metadata from 5k+ YouTube uploads.
- * Built and processed the human-in-the-loop pipeline for data processing and multi-modal analysis.
- * Framed, wrote and revised the research paper accepted at CSCW 2025.

◦ Project 2: Understanding Participatory Amplification on YouTube.

- * Built a multi-phase YouTube data collection pipeline for completed data of 70k+ YouTube uploads.
- * Built and processed workflows on a multi-run human-in-the-loop YouTube video analysis.
- * Analyzed 460k+ comments data and discussion structure on YouTube.
- * Framed and wrote the research paper.

• Collaborative Research in LLM Understanding and Applications

Renmin University of China & Peking University

2024.11 – Present

◦ Project 1: Automated Peer Review with LLMs

- * Co-developed aspect-guided multi-level perturbation analysis.
- * Co-analyzed robustness of large language models in reviewer tasks
- * Framed and co-wrote the paper accepted at CIKM 2025.

◦ Project 2: Cognitive Differences Among LLMs

- * Co-designed the comparative study of social worldviews encoded by models
- * Co-wrote the manuscript under review.

SELECTED AWARDS AND HONORS

• Competition Awards

- **COMAP Scholarship Award** [[Link](#)] 2024.05
10,000 USD, Outstanding Winner (**Rank 1st/28,900+**) in the Interdisciplinary Contest in Modeling.
- **First Prize in RUC Innovation Cup** 2024.05
Top 10% in the 26th Academic Work Competition, Renmin University of China.

• Scholarships

- **JD. "Qiushi Future Scholars" Student Research Scholarship** 2025.10
10,000 CNY, Renmin University of China.
- **ICBC Innovation Scholarship with "Innovation Star" Designation** 2025.04
8,000 CNY, **Top 10/11,000+** in Renmin University of China.
- **Principal's Scholarship for Excellent Exchange Student** 2024.10
30,000 CNY, Renmin University of China.
- **Student Academic Award** 2024.09
5,000 CNY, **Top 2%** in Renmin University of China.
- **Outstanding Cultural and Sports Leaders Scholarship** 2024.06
600 CNY, Renmin University of China.

SELECTED GRANTS

- **Student Research Grant** 2025.03
3,000 CNY, School of Journalism and Communication, Renmin University of China.
- **Student Research Grant** 2024.09
1,000 CNY, School of Economics, Renmin University of China.
- **International Organization Talent Program Grant** 2024.01
10,000 CNY, School of Global Governance, Renmin University of China.

CONFERENCES AND PRESENTATIONS

- The 34th ACM International Conference on Information and Knowledge Management (CIKM), Seoul, Korea, 2025.11
- The 28th ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing (CSCW), Bergen, Norway, 2025.10
- Annual Conference of the Academic Community of Political Science and International Relations (presenting on Future Scholars Academic Poster Showcase), Beijing, China, 2024.07

ACADEMIC SERVICES

- Program Committee (Reviewer) for: *The 40th Annual AAAI Conference on Artificial Intelligence* (AAAI 2026).
- Student Fellow for *Center of Data Science* of School of International Studies in Renmin University of China.
* The first undergraduate student fellow since the Center of Data Science was established in 2021.

SKILLS

- **Languages:** Mandarin. Taiwanese Hokkien. English (TOEFL:112; Listening:29, Reading:27, Writing:27, Speaking:29). French, basic. Italian, basic.
- **Programming:** R, Python(*NLP, Multi-modal Analysis, Web Spider, Fine Tuning*), Stata, L^AT_EX, Gephi, SQL.

REFERENCES

Yuping Wang

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Yang Zhang

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Relationship: Thesis Supervisor