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). *A Human-LLM Framework for Amplified Crisis Comments on YouTube.*

[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**
Supervisor: Prof. Yingdan Lu, Northwestern University   2025.01 – Present
  ◦ **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: A Human-LLM Framework for Amplified Crisis Comments on YouTube.**

    * Collected and processed video, audio, and metadata from 20k+ YouTube uploads and 1M comments.
    * Built and processed the human-in-the-loop pipeline for data curating and network-based amplification analysis.
    * 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

  ◦ **Undergraduate Academic Grant**   2025.10
    8,100 CNY, Renmin University of China.
  ◦ **Student Research Grant**   2025.03
    5,000 CNY, Renmin University of China.
  ◦ **International Organization Talent Program Grant**   2024.01
    10,000 CNY, 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, LaTeX, Gephi, SQL.

REFERENCES

Yuping Wang
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