

# YANHENG LI

(+86) 158-6046-4877 | [chrislee1067@outlook.com](mailto:chrislee1067@outlook.com) (preferred) | [yanheng@ruc.edu.cn](mailto:yanheng@ruc.edu.cn) | <https://chrisleeyh.github.io/yanhengli/>

## 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*)  
Beijing, China  
*LL.B. in Politics, Economics and Philosophy (PPE)*
  - GPA: 3.80/4.00, Rank: 3/29.
- **Luiss Guido Carli** 2024.09 – 2025.02  
Rome, Italy  
*Erasmus Exchange Student in Data Science*
  - 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

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#### • 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

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- **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

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- 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

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- 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

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- **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<sup>A</sup>T<sub>E</sub>X, Gephi, SQL.

## REFERENCES

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### **Yuping Wang**

Assistant Professor, School of Journalism and Communication  
Renmin University of China, Beijing, China  
Email: yupingw@ruc.edu.cn  
*Relationship: Research Supervisor*

### **Yingdan Lu**

Assistant Professor, School of Communication  
Northwestern University, Evanston, United States  
Email: yingdan@northwestern.edu  
*Relationship: Research Supervisor*

### **Lizhi Liu**

Assistant Professor, McDonough School of Business  
Georgetown University, Washington, D.C, United States  
Email: Lizhi.Liu@georgetown.edu  
*Relationship: Research Supervisor*

### **Yang Zhang**

Assistant Professor, School of International Studies  
Renmin University of China, Beijing, China  
Email: zhang-yang@ruc.edu.cn  
*Relationship: Thesis Supervisor*