JUNFEI WU

2000.04　|✉ junfei.wu@cripac.ia.ac.cn |

🎓 Education

Chinese Academy of Sciences　　**Institute of Automation**　　**PhD. Student**　　**2022.09 – 2027.06**

- **Advisor**：Prof. Tieniu Tan ｜ **Research Interests**：Large Vision Language Models, Hallucination Mitigation

Beijing Institute of Technology　　**School of Computer Science and Technology**　　**Bachelor**　　**2018.09 – 2022.06**

- **Major**：Computer Science and Technology ｜ **Grade**：92.20/100，**Rank**：4/359

📖 Publication

Published several papers as first author or co-first author

- **Junfei Wu**, Jian Guan, Kaituo Feng, Qiang Liu, Shu Wu, Liang Wang, Wei Wu, Tieniu Tan. Reinforcing spatial reasoning in vision-language models with interwoven thinking and visual drawing[C]. Conference on Neural Information Processing Systems, 2025. (**CCF-A**)
- **Junfei Wu**, Ding Yue, Guofan Liu, Tianze Xia, Ziyue Huang, Dianbo Sui,Qiang Liu, Shu Wu, Liang Wang, Tieniu Tan. SHARP: Steering Hallucination in LVLMs via Representation Engineering[C]. Conference on Empirical Methods in Natural Language Processing, 2025. (**CCF-B**)
- Jian Guan*, **Junfei Wu***, Jia-Nan Li*, Chuanqi Cheng*, Wei Wu. A Survey on Personalized Alignment–The Missing Piece for Large Language Models in Real-World Applications[C]. Annual Meeting of the Association for Computational Linguistics Findings, 2025. (**CCF-A**)
- **Junfei Wu**, Qiang Liu, Ding Wang, Jinghao Zhang, Shu Wu, Liang Wang, Tieniu Tan. Logical Closed Loop: Uncovering Object Hallucinations in Large Vision-Language Models[C]. Annual Meeting of the Association for Computational Linguistics Findings, 2024. (**CCF-A**)
- **Junfei Wu**, Weizhi Xu, Qiang Liu, Shu Wu, Liang Wang. Adversarial contrastive learning for evidence-aware fake news detection with graph neural networks[J]. IEEE Transactions on Knowledge and Data Engineering, 2024. (**CCF-A**)
- Qiang Liu, **Junfei Wu**, Shu Wu, Liang Wang. Out-of-distribution Evidence-aware Fake News Detection via Dual Adversarial Debiasing[J]. IEEE Transactions on Knowledge and Data Engineering, 2024. (**CCF-A**)
- **Junfei Wu**, Qiang Liu, Weizhi Xu, Shu Wu. Bias mitigation for evidence-aware fake news detection by causal intervention[C]. Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval, 2022. (**CCF-A**)
- Weizhi Xu*, **Junfei Wu***, Qiang Liu, Shu Wu, Liang Wang. Evidence-aware fake news detection with graph neural networks[C]. Proceedings of the ACM Web Conference 2022. (**CCF-A**)

Co-authored papers

- Kaituo Feng, Kaixiong Gong, Bohao Li, Zonghao Guo, Yibing Wang, Tianshuo Peng, **Junfei Wu**, Xiaoying Zhang, Benyou Wang, Xiangyu Yue. Video-r1: Reinforcing video reasoning in mllms[C]. Conference on Neural Information Processing Systems, 2025. (**CCF-A**)
- Guofan Liu, Jinghao Zhang, Qiang Liu, **Junfei Wu**, Shu Wu, Liang Wang. Uni-Modal Event-Agnostic Knowledge Distillation for Multimodal Fake News Detection[J]. IEEE Transactions on Knowledge and Data Engineering, 2024. (**CCF-A**)
- Qiang Liu, Xiang Tao, **Junfei Wu**, Shu Wu, Liang Wang. Can Large Language Models Detect Rumors on Social Media?[J]. arXiv preprint arXiv:2402.03916, 2024.

🏆 Selected Awards

- **National Scholarship for Doctoral Students** — *Nov. 2025*
- **Outstanding Student of Chinese Academy of Sciences** — *Jun. 2024*
- **The 5th IKCEST "the Belt and Road" International Big Data Competition**, The 2nd Prize — *Nov. 2023*
    - Topic: Evidence-aware Multimodal Fake News Detection
- **2020 ICPC, Asia Shenyang Reginal Contest**, Bronze Medal — *Jul. 2021*
- **Group Programming Ladder Tournament National Finals**, Silver Medal — *Apr. 2021*
- **The 11th Blue Bridge Cup National Finals**, The 3rd Prize — *Nov. 2020*
- **Outstanding Student of Beijing Institute of Technology** — *2019-2021*
- **Beijing Outstanding Graduates** — *Jun. 2022*
- **National Scholarship for Undergraduate Students** — *Nov. 2019*

ℹ Skills

- **Language:** Mandarin (native), English (CET-6, CET-4)
- **Programming Languages**: Python, C/C++, JAVA
- **Software**: Word, Excel, PowerPoint