

Curriculum Vitae — Wei Chen

Incoming Ph.D. Student, School of Computer Science
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EDUCATION

Nanjing University	
Ph.D. in Computer Science and Technology	Sep. 2026 – Jun. 2030
Zhengzhou University	
M.Sc. in Software Engineering	Sep. 2022 – Jun. 2025
Zhengzhou University	
B.Eng. in Mechanical Engineering, Minor in Business Administration	Sep. 2018 – Jun. 2022

RESEARCH INTERESTS

- ◆ **Large Language Models:** learning and adaptation; alignment via preference learning; reasoning and generalization
- ◆ **Reinforcement Learning:** multi-agent reinforcement learning; policy optimization; credit assignment

ACADEMIC ACTIVITIES

- Research Assistant at Nanjing University, Oct 2025 – present
- Reviewer for IJCAI 2025, ICDE 2024–2025, ACM CIKM
- Oral Presentation at AAAI 2025, IJCAI 2025
- Teaching Assistant for Cybersecurity at Zhengzhou University

PUBLICATIONS

- Google Scholar: <https://scholar.google.com/citations?user=Yeh90kEAAAAJ&hl=zh-CN>.
- * These authors contributed equally to this work.
- † Corresponding author.

A. Conference Papers

1. **Wei Chen**, Yafei Li[†], Baolong Mei, Guanglei Zhu, Jiaqi Wu, and Mingliang Xu. “Credit Assignment and Fine-Tuning Enhanced Reinforcement Learning for Collaborative Spatial Crowdsourcing”. In: *Proceedings of the Thirty-Fourth International Joint Conference on Artificial Intelligence (IJCAI’25)*. Montréal, Canada, Aug. 2025.
2. Huiling Li, Yafei Li[†], **Wei Chen**, Shuo He, Mingliang Xu, and Jianliang Xu. “Effective Task Assignment in Mobility Prediction-Aware Spatial Crowdsourcing”. In: *2025 IEEE 41st International Conference on Data Engineering (ICDE’25)*. Hong Kong, China, 2025.
3. Yafei Li*, **Wei Chen***, Jinxing Yan, Huiling Li, Lei Gao, and Mingliang Xu[†]. “Gradient-Guided Credit Assignment and Joint Optimization for Dependency-Aware Spatial Crowdsourcing”. In: *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI’25)*. (Oral). Philadelphia, USA, Apr. 2025.
4. Baolong Mei, Yafei Li[†], **Wei Chen**, Linshen Luan, Guanglei Zhu, Yuanyuan Jin, and Jianliang Xu. “Catcher: A Cache Analysis System for Top-k Pub/Sub Service”. In: *Proceedings of the VLDB Endowment (PVLDB’24)*. Guangzhou, China, 2024.

B. Journal Papers

1. **Wei Chen**, Lulu Li, Dong Chen, Yafei Li[†], Ke Wang, Yuanyuan Jin, and Mingliang Xu. “Multi-aircraft cooperative decision-making methods driven by differentiated support demands for carrier-based aircraft”. In: *ACTA AERONAUTICA ET ASTRONAUTICA SINICA (in Chinese)* (2025).

PROJECTS

1. Data-Driven Scheduling Optimization and Visual Simulation Exploration for Special Vehicles Deployment
 - General Program of National Natural Science Foundation of China (NSFC)
 - *Role: Participated in the project, responsible for developing certain methods and preparing documentation*
2. Research on Human-Machine Collaborative Operation Planning and Visual Simulation Methods for Carrier-Based Aircraft under Contingency Disturbances
 - General Program of National Natural Science Foundation of China (NSFC)
 - *Role: Participated in the project, responsible for developing certain methods and preparing documentation*

AWARDS

1. First Prize of The 2nd China Mechanical Engineering Innovation Contest
2. First Prize of The 9th Student Mechanical Innovation Design Contest
3. First Prize of The 11th “Challenge Cup” Provincial Competition
4. Second Prize of The 22nd China Robotics Competition
5. Third Prize of the 21st China Robotics Competition
6. Second Prize of the 22nd China Robotics Competition
7. Third Prize of the 14th iCAN International Contest of InnovAtionN
8. Second Prize of the 11th National Undergraduate Competition on Advanced Graphing and Product Modeling
9. Third Prize of the 12th National Undergraduate Competition on Advanced Graphing and Product Modeling