

Jiaming Wang

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🎓 Education

Nanjing University
B.S. in Computer Science

Sep. 2023 – Jun. 2027

🔬 Research Interests

Multimodal learning and world models, with broader interests in LLM post-training, code intelligence, and general-purpose AI systems.

📁 Research & Internship

LLM Post-training: Efficient SFT & Open-source Data Protection Mar. 2025 – Present

- **Co-first Author** | **ICLR 2026 DATA-FM** *Winning the Pruning Gamble* studies joint sample- and token-level pruning for efficient SFT. We show that naive combinations can underperform random baselines, and propose a dynamic pruning strategy based on an error-uncertainty plane, improving SFT performance by up to 38% across datasets, model families, and benchmarks.
- **Co-first Author** | **ACL 2026 Findings** *Train in Vain* proposes functionality-preserving data poisoning to prevent unauthorized training on open-source code datasets. I contributed to method design, implementation, attack evaluation, ablations, and efficiency analysis; 10% injection achieves 100% compilability and effective poisoning.
- **First Author** | **Under Review** Built 2,790 real long-horizon trajectories for deep research agents, decomposed failures into diagnostic semantic spans, and proposed DRIFT for span-level error localization, improving F1 by 30 points.

Multimodal Generation Evaluation & Panoramic Video Cinematography Oct. 2025 – Present

- **Co-first Author** | **ICML 2026, CVPR VGBE Oral** *T2AV-Compass* is a comprehensive benchmark for text-to-audio-video generation, combining objective metrics, MLLM-based subjective evaluation, and consistency analysis to reveal key bottlenecks in current audio-video generation systems.
- **Co-first Author** | **Under Review** *CoVEBench* introduces compositional video editing tasks beyond isolated simple instructions, using traditional metrics and large-model evaluation to diagnose current video editing systems and move evaluation closer to real user workflows.
- **Deep Learning Algorithm Intern** | Panoramic video cinematography Agent and portrait composition guidance, with product-facing deployment at **Insta360 AI Research Institute**.
 1. Explored VLA architectures and training strategies; built offline evaluation metrics, version comparison pipelines, and data synthesis / auto-labeling schemes.
 2. Built image-editing data pipelines for portrait shooting guidance; participated in model training, open-source image-editing model deployment, and inference acceleration.

Survey: Linear Attention Sep. 2025 – Jan. 2026

- *A Survey of Linear Attention: Algorithm, Theory, Application, and Infrastructure*

💻 Technical Skills

- **Languages:** Python, C/C++, Shell, Java
- **ML Frameworks:** Megatron, verl
- **Tools:** Git, Docker, Slurm, Linux
- **Data/Analysis:** AST, Pandas, NumPy

🔧 Selected Projects

Panoramic Video Cinematography Agent 2025

- Explored VLA-based intelligent cinematography for panoramic videos, generating virtual-camera 6D trajectories from 360-degree video inputs for target following and perspective video generation.
- Contributed to architecture research, training implementation, and evaluation pipeline design; compared model versions on tracking, composition, and trajectory quality to support rapid iteration.

Portrait Composition Guidance: Template Recommendation & Editing Pipeline 2025

- Built a data and model pipeline from user photo input to expected portrait generation, supporting template-guided portrait editing and composition-aware image generation.
- Designed high-precision image-editing data pipelines, data synthesis schemes, and model training/evaluation workflows; won **Top-2** and **Top-3** in two tracks of the CVPR PortraitCraft Challenge.

Honors

- Tencent Scholarship
- People's Scholarship
- Outstanding Student
- Outstanding Student Leader
- Outstanding Youth League Cadre
- Provincial Excellent Social Practice Team

Leadership

Student Leadership & Teaching Assistant

2023 – Present

- Teaching Assistant for Advanced C++ Programming; Youth League Secretary and Vice Class Monitor; Executive Minister of Student Union; Peer Mentor; Admissions Ambassador for Shanxi.