

# Jingyi Yang (杨靖懿)

wechat 13082309660 | email: yangjingyi@mail.ustc.edu.cn | yangjingyi946@gmail.com | <https://yjyddq.github.io>

## 🎓 Education

<b>PhD. Student:</b> Fudan University	<b>Major:</b> Computer Science	2025 – Now
<b>M.S. Student (Recommended for Admission):</b> University of Science and Technology of China		2022 – 2025
<b>Major:</b> Information and Communication Engineering	<b>Rank:</b> 4/247(1.5%)	<b>GPA:</b> 3.96/4.3 transcript
<b>B.S. Degree:</b> Dalian Maritime University (211)	<b>English Level:</b> CET6	2018 – 2022
<b>Major:</b> Electronic Information Science and Technology	<b>Rank:</b> 1/86(1%)	<b>GPA:</b> 4.39/5.0 transcript

## ❤️ Research Interests

Machine Learning, Computer Vision, Deep Learning, AI Agent, Reinforcement Learning, Generative Models

## 💼 Research Topic & Publications (‡ Project Leader)

### Diffusion Large Language Model & Reinforcement Learning

- Github **DARE: dLLM Alignment and Reinforcement Executor** — *an efficient rl training framework for diffusion large language models integrated various dLLM-tailored rl algorithms* **Jingyi Yang**<sup>‡</sup>, Yuxian Jiang, Xuhao Hu, Jing Shao
- ArXiv **Taming Masked Diffusion Language Models via Consistency Trajectory Reinforcement Learning with Fewer Decoding Step** **Jingyi Yang**, Guanxu Chen, Xuhao Hu, Jing Shao

### Large Reasoning Model & Reinforcement Learning

- ArXiv **Conditional Advantage Estimation for Reinforcement Learning in Large Reasoning Models** Guanxu Chen, Yafu Li, Yuxian Jiang, Chen Qian, Qihan Ren, **Jingyi Yang**, Yu Cheng, Dongrui Liu, Jing Shao

### Benchmarking the Risk of Computer-Use & Self-Evolving Agent

- NeurIPS 2025 **RiOSWorld: Benchmarking the Risk of Multimodal Computer-Use Agents** **Jingyi Yang**<sup>‡</sup>, Shuai Shao, Dongrui Liu, Jing Shao
- ArXiv **Your Agent May Misevolve: Emergent Risks in Self-evolving LLM Agents** Shuai Shao, Qihan Ren, Chen Qian, Boyi Wei, Dadi Guo, **Jingyi Yang**, Xinhao Song, Linfeng Zhang, Weinan Zhang, Dongrui Liu, Jing Shao

### Multi-Modality & Domain Generalization for Face Anti-Spoofing

- ECAI 2024 (CCF-B Oral) **Generalized Face Anti-spoofing via Finer Domain Partition and Disentangling Liveness-irrelevant Factors** **Jingyi Yang**, Zitong Yu, Xiuming Ni, Jia He, Hui Li
- ICCV 2025 **DADM: Dual Alignment of Domain Modality for Face Anti-Spoofing** **Jingyi Yang**, Xun Lin, Hui Li, Zitong Yu

### Video Understanding/Action Recognition

- ICLR 2025 **Kronecker Mask and Interpretive Prompts are Language-Action Video Learners** **Jingyi Yang**, Zitong Yu, Xiuming Ni, Jia He, Hui Li

### Video-Based Face Anti-Spoofing

- IEEE TIFS (CCF-A) **G<sup>2</sup>V<sup>2</sup>former: Graph Guided Video Vision Transformer for Face Anti-Spoofing** **Jingyi Yang**, Zitong Yu, Xiuming Ni, Jia He, Hui Li

## 🔧 Project & Internship Experience

Contactless Palm Recognition (Enterprise, Anhui tsinglink, Hefei, China)	2023.01 – 2023.05
Great Bay University YUV Group research assistant (Lead by <b>Zitong Yu</b> )	2024.04 – 2024.12
Shanghai AI Lab Internship (Lead by <b>Jing Shao</b> )	2024.12 – now

## Professional Skills

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- Python/C++ (Python>>C++), PyTorch/TensorFlow (PyTorch>TensorFlow)
- Familiar with transformers, generative models (diffusion) and reinforcement learning.
- Foundational knowledge in 3DV, including NeRF and 3D-GS
- Highly self-motivated, strong interest-driven, ability of independent learning, thinking, and problem-solving

## Honors and Awards

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Excellent Student Scholarship - First Prize (2%) twice, Third Prize (10%) once	2020,2021,2022
Outstanding Graduates of Dalian City	2022
Competition Specific Scholarship	2021
The Mathematical Contest in Modeling (MCM)/Interdisciplinary Contest in Modeling (ICM) Honorable Mention	2021
The 11th National College Student Mathematics Competition Liaoning Province - Third Prize	2019
The 28th Dalian College Student Mathematics Competition - First Prize	2019

## Academic Services

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- IEEE International Joint Conference on Biometrics (IJCB) Multimodal Human Behavior Understanding & Generation 2024 Reviewer
- International Conference on Learning Representations 2025 Reviewer
- International Conference on Learning Representations 2026 Reviewer