

谭晓锋 (Xiaofeng Tan)

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深圳 & 南京

研究方向

RLHF, RLVR, AIGC, 3D Human Modeling, Preference Optimization, Diffusion Models, Multimodal Learning.

教育经历

东南大学，南京 2024.09 – 至今
计算机科学与技术硕士
PALM 实验室，导师：王洪松
东南大学一等学业奖学金；腾讯奖学金；招生夏令营排名第二
GPA: 88.6/100

深圳大学，深圳 2020.09 – 2024.06
计算机科学与技术工学学士 & 数学与应用数学理学学士（双学位）
GPA: 88.9/100 · 4.07/4.50
导师：高灿；优秀毕业生代表，并于毕业典礼发言；作为优秀学生事迹入选深圳大学 2024 招生指南

发表论文

* indicates equal contribution or first author (student).

—Preprints—

Diversity Collapse despite Constant Entropy: Understanding Entropy in Flow-based RL

Xiaofeng Tan, Jun Liu, Bin-Bin Gao, Yuanting Fan, Xi Jiang, Chengjie Wang, Hongsong Wang, Feng Zheng
Under Review (ICML 2026)

ConsistentRFT: Reducing Visual Hallucinations in Flow-based Reinforcement Fine-Tuning

Xiaofeng Tan, Jun Liu, Yuanting Fan, Bin-Bin Gao, Xi Jiang, Xiaochen Chen, Jinlong Peng, Chengjie Wang, Hongsong Wang, Feng Zheng
Under Review (CVPR 2026)

FG-Diff: Frequency-Guided Diffusion Model with Perturbation Training for Skeleton-Based VAD

Xiaofeng Tan, Hongsong Wang, Xin Geng, Liang Wang
Under Review (TIP, 2025, MiR*3 + MR*1)

[Project] [PDF] [Code]

—Published—

EasyTune: Efficient Reinforcement Fine-Tuning for Diffusion-Based Motion Generation

Xiaofeng Tan*, Wanjiang Weng*, Haodong Lei, Hongsong Wang
ICLR'26 · International Conference on Learning Representations (CORE-A*)
[Project] [Openreview]

ReAlign: Text-to-Motion Generation via Step-Aware Reward-Guided Alignment

Wanjiang Weng*, Xiaofeng Tan*, Junbo Wang, Guo-Sen Xie, Pan Zhou, Hongsong Wang
AAAI'26 · AAAI Conference on Artificial Intelligence (CCF-A, CORE-A*)
[Project]

SoPo: Text-to-Motion Generation Using Semi-Online Preference Optimization

Xiaofeng Tan, Hongsong Wang, Xin Geng, Pan Zhou
NeurIPS'25 · Advances in Neural Information Processing Systems (CCF-A, CORE-A*)
[Project] [PDF] [Code]

Fuzzy Granule Density-Based Outlier Detection with Multi-Scale Granular Balls

Can Gao (Supervisor), Xiaofeng Tan*, Jie Zhou, Weiping Ding, Witold Pedrycz
TKDE'25 · IEEE Transactions on Knowledge and Data Engineering (CCF-A, SCI-Q1)
[PDF] [Code]

科研经历

腾讯，深圳 2025.07 – 至今
Research Intern @ 优图实验室
研究方向: RLHF, RLVR, AIGC
Mentor: Jun Liu
Works: Consistent-RFT, PEC-RFT

新加坡管理大学，新加坡 2024.07 – 2025.03
Remote Visiting Student @ Language and Vision Lab (LV Lab)
研究方向: RLHF, Motion Generation
Mentor: Pan Zhou
Works: SoPo (NeurIPS'25), ReAlign (AAAI'26)

东南大学，南京 2024.04 – 至今
Master Student @ PALM Lab
研究方向: RLHF, Motion Generation, Action Recognition
Mentor: Hongsong Wang
Works: FG-Diff, EasyTune (ICLR'26)

学术服务

Reviewer: ICML 2026

荣誉奖项

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|---------|--------------|------|
| 腾讯奖学金 | 东南大学 | 2025 |
| 一等学业奖学金 | 东南大学 | 2025 |
| 优秀毕业生代表 | 深圳大学（毕业典礼发言） | 2024 |
| 入选招生指南 | 深圳大学（优秀学生事迹） | 2024 |