

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	GPA: 88.6/100
东南大学一等奖学业奖学金; 腾讯奖学金; 招生夏令营排名第二名	
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) 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	GPA: 88.9/100 · 4.07/4.50

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

Research Intern @ [优图实验室](#)

研究方向: RLHF, RLVR, AIGC

新加坡管理大学, 新加坡

Remote Visiting Student @ [Language and Vision Lab \(LV Lab\)](#)

研究方向: RLHF, Motion Generation

东南大学, 南京

Master Student @ [PALM Lab](#)

研究方向: RLHF, Motion Generation, Action Recognition

2025.07 – 至今

Mentor: Jun Liu

Works: Consistent-RFT, PEC-RFT

2024.07 – 2025.03

Mentor: Pan Zhou

Works: SoPo (NeurIPS'25), ReAlign (AAAI'26)

2024.04 – 至今

Mentor: Hongsong Wang

Works: FG-Diff, EasyTune (ICLR'26)

深圳大学，深圳

Undergraduate Research Assistant @ [计算机视觉研究所](#)

研究方向: Outlier Detection, Anomaly Detection

2022.10 – 2023.10

Mentor: Can Gao

Works: MGBOD (TKDE), TWCOD (IJAR)

学术服务

Reviewer: ICML 2026

荣誉奖项

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