谭晓锋 (Xiaofeng Tan)

✉ Email · 🌐 Homepage · GitHub · 🎓 Scholar

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   *GPA:* **88.6**/100

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）   *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   *Mentor:* Jun Liu

研究方向: RLHF, RLVR, AIGC   *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)   *Mentor:* Pan Zhou

研究方向: RLHF, Motion Generation   *Works:* SoPo (NeurIPS'25), ReAlign (AAAI'26)

东南大学，南京   2024.04 – 至今

Master Student @ PALM Lab   *Mentor:* Hongsong Wang

研究方向: RLHF, Motion Generation, Action Recognition   *Works:* FG-Diff, EasyTune (ICLR'26)

深圳大学，深圳

2022.10 – 2023.10

Undergraduate Research Assistant @ 计算机视觉研究所

Mentor: Can Gao

研究方向: Outlier Detection, Anomaly Detection

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

高

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

Mentor: Can Gao

Works: MGBOD (TKDE), TWCOD (IJAR)

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