

Personal Information

Name: Tianyi Wang
DOB: Nov. 2004

Gender: Male
Status: Communist Youth League members



Research Interests

Research interests: Post-training algorithms (mainly reinforcement learning) and optimizer design/implementation.

(Including PyTorch/TensorFlow implementation and reproduction.)

Education

Beijing University of Posts and Telecommunications 2023.09 – Expected 2027.07
Major: Computer Science and Technology (Undergraduate) **Position:** Deputy Class Youth League Secretary (2023.09 – 2024.03)
GPA: 3.76/4.00 **Major Rank** 20/360 **English:** CET-6 (503) CET-4 (571)

Research Experience

SPPO: Sequence-Level PPO for Long-Horizon Reasoning Tasks  2026.04
ACL 2026 Main

👤 Tianyi Wang*, Yixia Li*, Long Li, Yibiao Chen, Shaohan Huang, Yun Chen, Peng Li, Yang Liu, Guanhua Chen

› Recast token-level PPO as a sequence-level contextual bandit and used a decoupled value function to improve long-horizon reasoning with lower memory and computation cost.

Anchored Policy Optimization: Mitigating Exploration Collapse via Support-Constrained Rectification  2026.05
ICML 2026

👤 Tianyi Wang*, Long Li*, Yixia Li, Hongcan Guo, Yibiao Chen, Yong Wang, Yun Chen, Guanhua Chen

› Proposed APO, replacing global KL matching with support coverage to mitigate exploration collapse and improve both Pass@1 and diversity in RLVR.

DyJR: Preserving Diversity in Reinforcement Learning with Verifiable Rewards  2026.04
UnderReview

👤 Long Li, Zhijian Zhou, Tianyi Wang, Weidi Xu, Zuming Huang, Wei Chu, Zhe Wang, Shirui Pan, Chao Qu, Yuan Qi

› Used a dynamic buffer and Jensen-Shannon regularization to suppress diversity collapse and outperform GRPO-style baselines on math reasoning and Text-to-SQL.

PyTorch Implementation of Spectral-Sphere-Optimizer (SSO)

 Contributor

2026.02
Contributor
Pull Request
(merged)

› Implemented and merged the PyTorch version of SSO for direct use in training and reproduction.

Skills

Programming Languages: Python, C, Java

Database: MySQL

Honors

- Third-Class Scholarship, 2023–2024 academic year
- Third-Class Scholarship, 2024–2025 academic year