CHENGQI SHI

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https://github.com/lnscq

EDUCATION

Xi'an Jiaotong University <div align="right">Xi'an, China</div>
Gifted Young Class (Accelerated Program) <div align="right">2023.09 – 2025.07</div>

- Selected into XJTU's elite Gifted Young Program; completed core undergraduate prerequisite coursework ahead of schedule.

Xi'an Jiaotong University <div align="right">Xi'an, China</div>
B.S. in Computer Science and Technology <div align="right">2025.09 – Present</div>

- Currently pursuing a bachelor's degree in Computer Science.
- Focus areas: deep learning, reinforcement learning, and robotic perception.
- **Key Coursework:** Linear Algebra, Advanced Mathematics, C Programming

EXPERIENCE

Xi'an Jiaotong University <div align="right">Institute of Artificial Intelligence and Robotics</div>
Research Internship <div align="right">2025.4 – Present</div>

PUBLICATIONS

Test-Time Online RL for Flow Matching Models <div align="right">under review</div>
*Weiyi Hong, **Chengqi Shi**, Longjun Liu* <div align="right">2025.11</div>

Proposed the first online RL framework for test-time fine-tuning of flow matching models, leveraging dynamic grouping, an adaptive baseline, and a dual-branch loss to cut compute cost while boosting GenEval (63→78%) and ImageReward (>40%↑); enabled text-to-image models to respond to visual prompts controllably—without reward hacking or degradation in quality/diversity.

COMPETITION

RoboCup Vision Challenge | *Team Captain (3D Object Recognition)* <div align="right">2026.2</div>

- Led team development of 3D object recognition system in simulated robotic soccer environment using point cloud processing and deep learning.

China Undergraduate Physics Experiment Competition | *National First Prize* <div align="right">2025.11</div>

- Responsible for experimental design and implementation, technical report writing, and creating presentation web pages

Lanqiao Cup National Software Competition | *Third Prize (C/C++ Group)* <div align="right">2025.4</div>

- Ranked among top participants nationwide in algorithm and programming contest.

SKILLS

Programming Languages: Python, C/C++, JavaScript/HTML/CSS, Bash, MATLAB

Frameworks & Tools: PyTorch, Git, YOLO, LaTeX, ROS2, OpenCV

Hardware & Platforms: Orange Pi, Ubuntu, Linux

Languages: Chinese (Native), English (CET-4, proficient in reading academic literature)