

Chen Fang (方辰)

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Education

- **Zhejiang University** Sep 2023 – Present
B.Eng. in Robotics Engineering (Honors Program)
 - GPA: 4.66/5.0 (91.60/100), Ranking: 3/45
 - Relevant courses: Robotics I (95), Robotics II (94), OOP (99), Machine Vision (95), Mechanical Design (99), ROS & Robot Simulation (90), Electric Circuit and Analog Electronic Technology(95), Automatic Control Theory (91), Embedded Systems (92), Artificial Intelligence And Machine Learning (92)

Research Interests

Humanoid Robotics, Robot Learning,: solving complex humanoid tasks, e.g., Humanoid for sports.

Research & Projects

- **LATENT-V2: Humanoid Tennis** Apr 2026 – July 2026
Research Intern at Galbot, supervised by Prof. Li Yi (弋力)
 - Contribute to LATENT, a system that learns athletic humanoid tennis skills from imperfect human motion fragments, enabling humanoid robots to strike incoming balls under diverse conditions and return them to target locations while preserving natural motion styles.
 - Built and maintained the training code in the MJLab simulator for humanoid tennis policy learning.
 - Contribute to retargeting, global tracking and global vae for better locomotion ability.
- **ZJUDancer Full-Stack Humanoid Soccer Robot System** Sep 2025 – May 2026
Core Member, Intern at HighTorque Dynamics
 - Designed and maintained a full-stack humanoid soccer system for the RoboCup Humanoid Soccer League.
 - Motion: kick/save motion tracking via BeyondMimic.
 - Vision: YOLOv8-based detection, camera projection for relative position estimation, end2end Odometry and PF localization.
 - Behavior: Voronoi and PositionRater based multi-robot coordination for striker, defender, and goalkeeper roles.
- **Navigation in 3D Vortical Flows via Egocentric Imitation Learning** Apr 2025 – Sep 2025
Research Intern, supervised by Prof. Shengze Cai (蔡声泽)
 - Built a teacher-student reinforcement learning framework: the teacher uses geocentric observations, while the student aligns with the teacher via imitation learning from egocentric observations.
 - Achieved strong generalization, successfully transferring to unseen environments including rotated cylinder flow and Arnold-Beltrami-Childress chaotic flow.

Teaching Experience

- **Teaching Assistant, Robotics Fundamentals Practice (CSE1120M)** Summer 2025
- **Teaching Director, ZJU Student Robotics Association (19th)** Sep 2024 – Sep 2025
 - Designed experiments and teaching materials for both courses.
 - In ZJUSRA, designed a line-following robot named AnyCar; the course covered SolidWorks, circuits, and Arduino.
 - In CSE1120M, designed a course based on the WheelTec R3 vehicle, covering ROS, mapping, path planning, and navigation.
 - Gained hands-on experience with ROS, Jetson Nano, STM32, and RPLIDAR.

Honors & Awards

- Zhejiang Provincial Government Scholarship, 2024–2025
- First place in German Open, March 2026. Second place in China Open, May 2026. Fifth in Robocup 2026.
- Huawei Elite Scholarship, 2024–2025
- Second-Class Scholarship, 2023–2024, 2024–2025