

Wenkang Zhang

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EDUCATION

B.S. in EE, Shanghai Jiao Tong University

2022.9 – 2026.6 (expected)

GPA 4.0/4.3, Major Rank 1/132, CET6 587

COURSES

Major Courses: Linear Algebra (100), C++ Programming (97), Machine Learning (96), Data Structure(94)

AWARDS AND SCHOLARSHIPS

National Scholarship

2024

Award for 0.2% of students, the highest national-level scholarship

Shanghai Scholarship

2023

Award for 0.2% of students in Shanghai city.

Zhiyuan Honors Scholarship

2023, 2024

Award for top students majoring in STEM.

Merit Student

2024

Commendation title for students who perform well within the academic year.

2nd Prize in the National College Mathematics Competition

2023

Award for undergraduate students standing out in CMC.

PROJECT EXPERIENCE

Algorithm Intern

2025.6 – 2025.9

Shanghai Paxini Robotic Company

SJTU, SH

- Embodied Intelligence, Real2Sim2Real, Dynamic Scene Reconstruction for Robotics.

Research Assistant

2024.9 – 2025.5

Advised by Zhengxue Cheng and Li Song

SJTU, SH

- 3D/4D Reconstruction via Gaussian Splatting, Learning-based Compression.
- One paper submitted to ACM MM 25 as the first author, on Feedforward 4DGS Compression. (*Keywords: Free-viewpoint video, 3D Gaussian Splatting, Dynamic scene compression, Rate-distortion optimization*)

Zhiyuan Future Scholar Project

2024.8 – 2025.2

Advised by Jianping He

SJTU, SH

- Submersible Development, Pursuit-Evasion Problem using DRL.
- Mainly responsible for embedded development on RoboMaster C board (STM32), focusing on engineering.
- Achieve stable depth control and 6DOF constant-speed movement underwater.

SJTU PRP Project

2023.2 – 2023.8

Advised by Xinwu Liang

SJTU, SH

- Robotic Grasping Detection using DL.
- Introducing CA and GS-IRes module to GR-ConvNet, and fine-tuning on Cornell dataset.
- Detection accuracy improved by 4% ; Rated as A (top 10% school-level).

EXTRACURRICULAR EXPERIENCE

Computer Science Summer School

2024.7

PKU-SJTU-THU-NUDT

PKU, BJ

Summer School on Computational Mechanics and Artificial Intelligence

2023.8

Pilot Programme 2.0

ZJU, HZ

SKILLS AND INTERESTS

Skills: python, C++, bash, matlab; pytorch, pytorch3d, mujoco, colmap, scrapy, taichi, compressai, numpy, pandas

Interests: 3D Vision, Embodied AI, World Model; Chinese Chess, Music, Creative Writing