

Kaixuan Chen

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EDUCATION

Undergraduate student in **Robotics Engineering** at the **School of Future Technology (Institute of Artificial Intelligence)**, **Shanghai University** (August 2023 - Present).

- **GPA:** 3.3/4.0
- **Coursework:** Robot Vision, Pattern Recognition

TECHNICAL SKILLS

- **Software** Solidworks, AutoCAD, Arduino IDE, VS Code, Unity, Isaac Sim, Isaac gym, Comsol
- **Programming Language** C, C++, C#, Python, Matlab
- **Research Interest** combine deep learning algorithms and robotics control theory to make the performance better, apply llms to entities to make thinkable embodied AI.

Publications

Learning Whole-body Motion Control through Instruction Learning and Human Motion Data Jun 2025

Zhipeng Xu, ***Kaixuan Chen***, Linqi Ye, Boyang Xing

Under review at The 18th International Conference on Intelligent Robotics and Applications (ICIRA 2025).

Selected Awards

Asia and Pacific Mathematical Contest in Modeling (APMCM) Jul 2024

- Problem D: Exploring Frontiers in Quantum-Accelerated AI
- Competition Level: National
- Award level: Second prize
- Tools Used: Solidworks, Arduino IDE

Shanghai Collegiate Mechanical Engineering Innovation Competition May 2025

- Topic: Compact Portable Fitness & Relaxation Gear
- Competition Level: Provincial
- Award level: Third prize
- Tools Used: Matlab, Python

Projects

Meow Genie: An AI-Driven Pet Virtual Avatar Auto-Generator will be uploaded soon

- Topic: Building an Integrated Platform for Cat Breed Recognition and Virtual Avatar Generation from a Single Image.
- Tools Used: Python, HuggingFace

Selected Course Projects

Vision-Based Robotic Arm Grasping Robot Vision, [click here](#)

- Tools Used: Python, Robotics Toolbox for Python