



Zhang Shukai

(张书恺)

- Ethnicity: Han
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Awards & Certificates

- “National Scholarship”
- “Outstanding Student Cadre”
- College English Contest, Second Prize
- China Robot and Artificial Intelligence Competition, Excellence
- College Student Electronic Design Competition, Beijing Division, Third Prize
- China International College Students' Innovation Competition, Hainan Division, Bronze Prize



Education Background

2023.9 – Present Beijing University of Posts and Telecommunications, Information and Computing Science

- Academic Performance: top 10% of the major
- Head of the Propaganda Department of the College
- Freshman Leader, providing academic and life guidance to freshmen



Experience

2024.5 - 2024.7:

Development of "CongiGenius" AI Learning Assistant

- Utilized LLM fine-tuning techniques and independently constructed a dataset of 6,000+ high school subject questions. Combined the GRPO reinforcement learning algorithm and heuristic Chain of Thought to progressively guide students in problem-solving.
- Built a learning assistant platform integrating heuristic AI problem-solving, learning situation analysis, and error correction exercise generation.
- Achieved problem-solving results far exceeding conventional LLMs using a 1.5b small model; attained a 96.3% accuracy rate on actual Gaokao (College Entrance Exam) questions, winning a National Second Prize.

2024.7 – Present:

Construction and Training of a Multi-DoF Humanoid Robot

- Independently designed and built a 14-Degree-of-Freedom humanoid robot. Used RaspberryPi and Python to implement gait algorithms, enabling actions like walking and dancing.
- Leveraged simulation platforms to refine the robot's gait dynamics and postural stability.

2025.7-2025.8: Team Leader, College Student Electronic Design Competition

- Focused on the control-based UAV competition topic, completing the entire process from debugging to competition in 1 month.
- Overcame the drawbacks of traditional optical flow positioning by using SLAM for mapping and navigation to ensure stable UAV hovering. Used the YOLOv8-nano model for target detection and calibration.



Skills

**Technical Skills:** Proficient in Python, familiar with C/C++; skilled in applying algorithms like Reinforcement Learning and Computer Vision; familiar with web development; proficient in the film and television creation workflow.

**Office Skills:** Proficient in Git for version control, Office Suite, Adobe Premiere, and Photoshop.