ZIMU HAN B.E.

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EDUCATION

College of Artificial Intelligence, Xi'an Jiaotong University Shaanxi, China
B.E. in Artificial Intelligence 2024 - Present
- GPA: 4.16/4.30, Average Score: 95.36/100, Rank: 1/67.
- Core Courses: Mathematical Analysis for Engineering-1 (100), Math Foundation for Computer Science and Artificial Intelligence-I (100), Computer Programming (99), Data Structure and Algorithm (98), Probability Theory and Stochastic Process (97), Mathematical Analysis for Engineering-2 (95), Linear Algebra and Analytical Geometry (94)

PUBLICATIONS

1. **Hierarchical Policy: Multi-Frequency Action Chunking across Hierarchical Temporal Resolutions for Robotic Imitation Learning.**
   Jiyao Zhang*, **Zimu Han***, Junhan Wang, Xionghao Wu, Shihong Lin, Jinzhou Li, Hongwei Fan, Ruihai Wu, Dongjiang Li, Hao Dong. *Under Review*, 2025.

INTERNSHIPS

PKU-Agibot Lab | Peking University, Beijing, China 2025.03 - Present
- Research assistant in the Center on Frontiers of Computing Studies (CFCS) at the School of Computer Science, Peking University, advised by Prof. Hao Dong.
- Develop imitation learning algorithm with hierarchical temporal resoulutions in robotic manipulation tasks, based on Diffusion Policy and DP3.
- Lead a project on reinforcement learning algorithm for the post-training process of flow-based VLA models, and participate in pretraining VLA models.

Cognitive Computing and Intelligent Vehicle Lab | Xi'an Jiaotong University, Shaanxi, China 2025.09-Present
- Research assistant at Institute of Artificial Intelligence and Robotics (IAIR), Xi'an Jiaotong University, supervised by Prof. Jianwu Fang.
- My research focuses on building intention-driven autonomous driving world models.

COMPETITIONS

Meritorious Winner (Top 10%)
2025 Interdisciplinary Contest In Modeling 2025.01

Provincial First Prize (Top 16%)
Contemporary Undergraduate Mathematical Contest in Modeling 2025.11
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AWARDS AND HONORS

- **National Scholarship**, Ministry of Education of the People's Republic of China 2025.10
- **Merit Student**, Xi'an Jiaotong University 2025.10
- **Young Pioneers of the New Era**, Xi'an Jiaotong University 2025.05

SKILLS

Languages: Chinese(Native), English(C1 Level).

English Certificate: TOFEL 102 (Reading 29, Speaking 28, Writing 25, Listening 20), CET-4 647 (Listening 240, Reading 221, Writing and Translating 186) CET-6 640 (Listening 219, Reading 244, Writing and Translating 177)

Programming: Python, C++, MATLAB.

Operating System: Windows, Linux(Ubuntu).

Developing Tools: Pytorch, SSH, Bash, TMUX, Git, ROS2.