Yukun Tian, Undergraduate.

21322187@seu.edu.cn ORCID GitHub
Personal Website

Working Experience

2023 – now **Leader of Computer Vision Group,** 3SE Robotics Team, Southeast University.

2024.7 – 2024.9 **AI Engineer(Intern),** NAIE department, Huawei Nanjing Research & Development Center, Huawei Technologies Co., Ltd.

Education

2022 – now **Undergraduate. Artificial Intelligence, Southeast University**
GPA: 3.85 / 4.0 (Currently); Average Score: 90.59 / 100 (Currently);

Academic Performance

Conference Proceedings (Submitted)

1. **Y. Tian**, H. Chen, Y. Deng, *et al.*, "Eventaug: Multifaceted spatio-temporal data augmentation methods for event-based learning," in *The 39th Annual AAAI Conference on Artificial Intelligence*, 2025. eprint: arXiv:2409.11813.

Research Program

1. Y. Jin, **Y. Tian**, and K. Fang, *Design of an autonomous decision-making navigation and precision strike robot based on laser slam and machine vision*, National Student Research Training Project, 202310286114Z, 2022–2024.
2. X. Li, **Y. Tian**, R. Xu, and B. Wang, *Design and application of motion target identification and prediction models for low-latency scenarios*, Student Research Training Project of Jiangsu Province, 202410286240Y, 2023–2025.
3. **Y. Tian**, *Event-guided multimodal fusion video camouflage object detection method*, Ministry of Education Key Laboratory Open Project for Young Scholars, aiia-24-07, 2024–2026.
4. **Y. Tian**, H. Chen, and Y. Deng, *Event-video multi-modal spatio-temporal pretraining method*, Plan to submit to CVPR 2025, 2024–now.
5. **Y. Tian**, H. Gong, and R. Zhou, *High-performance heterogeneous collaborative computing system for mobile cpus and gpus for complex deep neural networks*, Student Research Training Project of Jiangsu Province, 202410286248Y, Plan to submit to MobiCom 2025, 2023–2025.

Patent

1. H. Chen and **Y. Tian**, "A saliency-guided spatiotemporal mask data augmentation method and system for event cameras (pat. pend.)," Aug. 21, 2024.
2. H. Chen and **Y. Tian**, "An adaptive multi-scale aggregation data augmentation method and system for event cameras (pat. pend.)," Aug. 21, 2024.

Skills

Areas	Machine Vision, Machine Learning, Robotics, Multi-modal Learning, Event Vision.
Coding	Python(Pytorch), C/C++, Html, css, AscendC & CCE, LaTeX, Markdown, …
Languages	Strong reading, writing and speaking competencies for English and Mandarin Chinese.
Misc.	Friendly & Proactive, Self-motivated, Team-oriented, Effective communicator, Internationally experienced (visited 7 countries).

Representative Courses

Major Courses

Machine Learning	97 / 100. (Top 1)
Pattern Recognition	90 / 100.
Optimization Method	91 / 100
Introduction to Artificial Intelligence	98 / 100 (Top 1)
Data Structure	100 / 100 (Top 1)
Operating System	97 / 100 (Top 1%)

Public Courses

Programming & Algorithmic Language i & ii	93 / 100 & 95 / 100
Discrete Mathematics	94 / 100
Linear Algebra	98 / 100 (Top 1%)

Miscellaneous Experience

Awards

2024 **RoboMaster University Championship, Final Tournament (2024, Responsible for Vision Tasks)**, National First Prize (Best in school history).

RoboMaster University Championship, Regional Competition (2024, Responsible for Vision Tasks), Provincial First Prize.

2023 **RoboMaster University League, Shanghai Province (2024, Responsible for Vision Tasks)**, Provincial Third Prize.

2023 13th China Educational Robot Competition Regular & Challenge Seasons (As Captain), National Special Prize & National First Prize. (Champion)

RoboMaster University League, Jiangsu Province (2023, Responsible for Motion Control), Provincial Second Prize.

2022 **2022 12th China Educational Robot Competition Regular & Challenge Seasons (As Captain)**, National Special Prize & National First Prize. (Champion)

Honors

2024 **National Scholarship**. Awarded by Ministry of Education of the People's Republic of China.

Outstanding Student. Awarded by Huawei during my internship.

2023 **President's Scholarship**. Awarded by Southeast University.

Merit Student. Awarded by Southeast University.