

Yukun Tian, Undergraduate.

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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: 3.84 / 4.0 (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.

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, aiii-24-07, 2024–2026.
- 4 **Y. Tian** and H. Gong, *High-performance heterogeneous collaborative computing system for mobile cpus and gpus for complex deep neural networks*, Student Research Training Project of Jiangsu Province, 202410286248Y, 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.
- 3 L. Zhang, X. Pang, D. Li, **Y. Tian**, and Y. Jiang *et al.*, “A specialized multifunctional prosthetic glove for individuals with finger agenesis or amputation,” 2023 2 2252954.9, May 14, 2024.
- 4 L. Zhang, X. Pang, D. Li, **Y. Tian**, and Y. Jiang *et al.*, “A thermochromic straw-fork-spoon utensil specifically tailored for individuals with digit absence,” 2023 2 2256455.7, Feb. 2, 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).

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 and Achievements

2024	RoboMaster University Championship, Final Tournament (2024, Responsible for Vision Tasks) , National First Prize.
	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.
	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.

Honors

2024	Outstanding Student. Awarded by Huawei for my performance during the internship.
2023	President's Scholarship. Awarded by Southeast University. One of the best scholarships in the university.
	Merit Student. Awarded by Southeast University.