

Yuxuan Wang

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Education

Xidian University

Xi'an, ShaanXi

Undergraduate in Software Engineering

Sep. 2023 – June. 2027(expected)

○ **GPA:** 3.9/4.0

○ **Rank:** 1/1342 (CS Category, First year) 1/335 (Software Engineering, second year)

○ **Core Courses:** Physics(I) (99) Introduction of Computer and Program Design (98), Fundamentals of Circuits and Electronic Techniques(98), Advanced Mathematics A(I) (97), Discrete Mathematics(I) (98)

○ **CET-6:** 591

ZhenHai High School of Ningbo

Ningbo, Zhejiang

Innovation Class, Jiaochuan Academy of Zhenhai High School

Sep. 2020 – June. 2023

Top high school in Zhejiang Province, with ~ 70 students admitted to PKU and THU

Preprint

○ UltraHiT: A Hierarchical Transformer Architecture for Generalizable Internal Carotid Artery Robotic Ultrasonography

T. Wang*, H. Jiang*, Y. Wang*, Z. Sun, X. Yan, X. Li, G. Huang * denotes equal contribution.

arXiv preprint arXiv:2509.13832, 2025

○ Thinking inside the Mask: In-place Prompting in Diffusion LLMs

X. Jin, Y. Wang, Y. Gao, Z. Wen, B. Qi, D. Liu, L. Zhang

arXiv preprint arXiv:2508.10736, 2025

○ AudioMarathon: A Comprehensive Benchmark for Long-Context Audio Understanding and Efficiency in Audio LLMs

P. He, Z. Wen, Y. Wang, Y. Wang, X. Liu, J. Huang, Z. Lei, Z. Gu, X. Jin, J. Yang, *et al.*

arXiv preprint arXiv:2510.07293, 2025

○ VA-Adapter: Adapting Ultrasound Foundation Model to Echocardiography Probe Guidance

T. Wang, H. Jiang, Y. Wang, Z. Sun, S. Song, G. Huang

arXiv preprint arXiv:2510.06809, 2025

○ Self Speculative Decoding for Diffusion Large Language Models

Y. Gao*, Z. Ji*, Y. Wang, B. Qi, H. Xu, L. Zhang

arXiv preprint arXiv:2510.04147, 2025

○ Accelerating Diffusion Large Language Models with SlowFast: The Three Golden Principles

Q. Wei, Y. Zhang, Z. Liu, P. Zeng, Y. Wang, D. Liu, L. Zhang,

arXiv preprint arXiv:2506.10848, 2025

Internships

LEAP Lab, Department of Automation, Tsinghua University

Research Intern Mar 2025 - August 2025

I participated in the implementation of the internal carotid artery ultrasound autonomous navigation project. Work was conducted onsite at Tsinghua University's Central Main Building, room 601.

EPIC Lab, School of Artificial Intelligence, Shanghai Jiao Tong University Research Intern July 2025 - Present

I participated in designing and evaluating efficient algorithms in large language diffusion models, which is an promising alternative to auto-regressive models using bidirectional attention mechanisms.

Selected Awards

National Scholarship(two-year)(Sep. 2023 - Sep. 2024, Sep. 2024 - Sep. 2025)

First Prize, 16th National Undergraduate Mathematics Competition(Nov. 2024)

First Prize, National Undergraduate Mathematical Modeling Contest (Dec. 2024)

National First Prize, National English Competition for College Students(NECCS)(Apr. 2025)

Honorable Mention, 2024 Mathematical Contest in Modeling (MCM)(Jan. 2024)