

Rui Wang

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CURRENT STATUS

PhD admission application for Fall 2027; available to join a research group early, currently based in Shenzhen.
Alternatively, open to internship opportunities in the interim.
Planned PhD Research Direction: Large Models, Intelligent Agents

EDUCATION

Shenzhen University — College of Computer Science and Software Engineering

Computer Science and Technology · Master of Engineering Guangdong, Shenzhen·2024-2027

Advisor: Prof. Huisi Wu Research during M.S.: AI - Computer Vision - Video Segmentation

GPA: 3.19/4

Henan University — School of Computer and Information Engineering

Data Science and Big Data Technology · Bachelor of Engineering Henan, Kaifeng·2020-2024

GPA: 3.45/4

PUBLICATIONS

OSA: Echocardiography Video Segmentation via Orthogonalized State Update and Anatomical Prior-aware Feature Enhancement

[CVPR 2026 Highlight] [CVPR Compute Transparency Champion award] Computer Vision Top Conference, CCF-A

Rui Wang,Huisi Wu*,Jing Qin

Core Contributions: Orthogonalized state update suppresses rank collapse, reframing long-range temporal retrieval as orthogonal projection optimization on manifolds; Anatomical prior constrains non-rigid deformation of target structures, improving segmentation robustness under noise.

[arXiv] [Project]

GDKVM: Echocardiography Video Segmentation via Spatiotemporal Key-Value Memory with Gated Delta Rule

[ICCV 2025] Computer Vision Top Conference, CCF-A

Rui Wang,Yimu Sun,Jingxing Guo,Huisi Wu*,Jing Qin

Core Contributions: Key-value memory replaces full self-attention for long-range temporal retrieval, reducing video modeling to linear complexity; Gated Delta Rule enables incremental memory updates, lowering retrieval and storage overhead for long sequences.

[arXiv] [Project]

HONORS & AWARDS

National Graduate Scholarship 2025

Shenzhen University Graduate Academic Scholarship — Special Prize 2024

Shenzhen University Graduate Academic Scholarship — First Prize 2025

Shenzhen University Academic Launch Scholarship 2026

Henan University Merit Student, Henan University Scholarship 2022

CCF-CSP (170 pts, Top 28%), Lanqiao Cup (Provincial Award), Computer Design Competition (Provincial Award), 2022 - 2023
Challenge Cup (Provincial Award), Internet+ (Provincial Award)

PROJECTS

how2research

An open-source research guide for graduate students, covering conference submission processes, efficient LaTeX writing tips, research prompt engineering, and development environment setup (uv, VSCode). Maintained by "miyuki11".

SKILLS

English: CET-4: 548, CET-6: 435

Research Tools: Claude Code, Harness Engineering

HOBBIES

Volleyball,Baseball,Calligraphy