Haoru Wang

he/him

王浩如

First-year PhD candidate

@Peking University & Shanghai AI Lab

Personal info

- homepage
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  Haidian District, Beijing

Languages & Skills

- C, C++, python, pytorch, cuda
- LaTeX, Typst

- Chinese (Mothertongue)
- English (Fluent, IELTS 7.5)
- Japanese (Fluent, N1)
- German (Beginner)
- Korean (Beginner)

- PS, PR, Blender, Live2D
- Musescore, Kontakt, FL Studios, Vocaloid, Voiceroid
- Accordion

Education

Computer Science, Peking University

PhD Candidate September 2025 –
Joint supervised by **Prof. Baoquan Chen** & **Prof. Yu Qiao**

B.S September 2021 – July 2025

Research Interests: **Neural Graphics** & **Physics**

Experience

Research Intern, Apple AIML

December 2024 – September 2025

- Reframed physics-based simulation towards **generalizable learning on PDEs**.
- Explored self-supervised generative novel view synthesis towards **building world models**.

Research Intern, VCL Lab, Peking University

September 2024 – September 2025

- Explored scaling behaviors across representations for novel view synthesis. Findings released in **The Less You Depend, The More You Learn**.

Research Intern, Technische Universität München

June 2024 – October 2024

- Explored approach & representation for **simulation on fluid & electromagnetics**.

Research Intern, CVDA Lab, Peking University

March 2023 – July 2024

- Explored RLHF on human motion generation. Findings published in **MotionCritic**, ICLR 2025.

Engineering Intern, Process Integration Ltd. Manchester

December 2022 – March 2023

- Built an RAG framework from scratch, to meet realworld demands from process industry.

Awards and Honors

Silver Medal, CPhO

October 20th, 2020, the 37th Chinese Physics Olympiad

Best Volunteer, Peking University

July 2022, July 2023 and July 2024

- Volunteer and leader at regional branch of Peking University Admissions Office.
- Recognized for outstanding service and leadership 3 years.

Publications

Full at **Google Scholar**

The Less You Depend, The More You Learn: Synthesizing Novel Views from Sparse, Unposed Images without Any 3D Knowledge
Haoru Wang*, Kai Ye*, Yangyan Li, Wenzheng Chen, Baoquan Chen
arXiv preprint

Aligning Human Motion Generation with Human Perceptions
Haoru Wang*, Wentao Zhu*, Luyi Miao, Yishu Xu, Feng Gao, Qi Tian, Yizhou Wang
ICLR 2025