

Ruolin Zuo

Undergraduate Student, EECS, Peking University | kylin.zuo@stu.pku.edu.cn

Education

Peking University

Sep 2024 – Present

B.Eng. in Electronics Engineering and Computer Science (Expected: Jun 2028)

Core Coursework: Visual Computing and Interaction, Computer Vision, Computer Graphics, Probability Theory

Interests

- **Multimodal Learning:** Spatial-temporal and video understanding
- **3D & Simulation:** Neural rendering and physics-aware learning for environments

Course Projects

Project A: Neural Physics Subspaces

- Research project of reproducing the paper neural-physics-subspaces.
- based on XMAKE + ImGui + OpenGL + pybind11
- url: <https://github.com/cskyliner/neural-physics-subspaces>

Awards & Honors

- The Third Prize of Peking University Scholarship, Peking University, 2024
- Award for Academic Excellence, Peking University, 2024

Technical Skills

Programming: Python, C++, CUDA, Java

ML/AI: PyTorch, TensorFlow

3D/Graphics: OpenGL, Taichi, NeRF/3DGS toolchains

Systems: Linux, Git