

Chengxi Deng

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SUMMARY

- I am Chengxi Deng, a Junior student from the School of Honors College, Northwestern Polytechnical University, major in Computer Science and Engineering. In Honors College, I learn a lot of basic subjects, which lay the foundation for my research and allow me to master new skills quickly. I'm interested in Deep Learning, Computer Vision, 3D Reconstruction, Low-level Vision.

EDUCATION

- **Northwestern Polytechnical University** **2020-2024**
- **Grades:** 91.92/100
- **Rank:** 3/114

SKILLS

- Python(Pytorch), C, C++, SQL
- Git, LaTeX

Research Experience

- **Single-view and Multi-view Reconstruction** **2022.7-now**
During my research supervised by Prof. Jiaqi Yang, I've read over 40 papers concentrating on 3D-Reconstruction. AI is booming, but there is still a long way to go for this ill-posed question. We get some ideas, and partial codes are available on github.
- **Neural Radiance Fields for View Synthesis** **2022.10-now**
During my research supervised by Prof. Yuchao Dai, I learn some basic knowledge about computer graphics. Different from SDF value representation, NeRF and its related work show how reconstruction meets graphics.

Honors and Awards

- **National scholarship, Ministry of Education of China** **2021.10**
- **National scholarship, Ministry of Education of China** **2022.10**
- **First-Class scholarship, Northwestern Polytechnical University** **2022.10**
- **Second Prize in RoboCup Advanced vision 3D-object recognition, Chinese Association of Automation** **2022.4**
- **Third Prize in RoboCup Advanced vision commercial measurement, Chinese Association of Automation** **2022.4**