

Education

2019–Now **Nanjing University of Science and Technology Zijin College**,
School of Computer Science, Bachelor of Computer Science and Technology.
Degree GPA – 3.90/4, Overall 3.71/4, rank 2/114

Research

Feb 2020–**Learning to Reconstruct 4D Objects**, Assistant Professor, Bo Yang, The Hong Kong Polytechnic
Nov 2021 University.

- We propose a novel representation for 4D object reconstruction with deep learning. This representation improves the geometric complexity of many 4D Games.
- We demonstrated that our 4D objects can represent different 3D meshes with different shapes and topologies when the fourth dimension changes.
- Ours representation can automatically adapt to the topology without subsequent modifications.
- We propose reasonable evaluation criteria for 4D objects. Ours representation outperformed baselines.
- Paper in review at a top conference.

Feb 2021 **Improve the 3D Modeling Performance of Neural ODE**, Assistant Professor, Bo Yang, The Hong Kong Polytechnic University.

- We have noticed that a Neural ODE $F: \mathbb{R}^3 \rightarrow \mathbb{R}^3$ is not capable of expressing all homomorphism mappings in \mathbb{R}^3 . But a Neural ODE $F: \mathbb{R}^6 \rightarrow \mathbb{R}^6$ can represent all homomorphism mappings in \mathbb{R}^3 .
- Increased the Chamfer Distance of Neural Mesh Flow from 2.976 to 1.873.
- As a baseline in "Learning to Reconstruct 4D Objects".

Research Interests.

- 3D Deep Learning, Character Animation, Robot Learning, Machine Learning, Geometry Processing.

Scholarships

Aug 2021 **First-class scholarship**, Nanjing University of Science and Technology Zijin College.

- Ranked in the TOP 2% in School of Computer Science.

Jan 2021 **First-class scholarship**, Nanjing University of Science and Technology Zijin College.

- Ranked in the TOP 2% in School of Computer Science.

Aug 2020 **First-class scholarship**, Nanjing University of Science and Technology Zijin College.

- Ranked in the TOP 2% in School of Computer Science.

Jan 2020 **Second-class scholarship**, Nanjing University of Science and Technology Zijin College.

- Ranked in the TOP 5% in School of Computer Science.

Skills

Languages Python(A), C/C++(B), SQL(B)

Frameworks Keras, PyTorch, Tensorflow

Utilities Linux, Pip, Anaconda, Git, VsCode

Relevant Courses

Online Convolutional Neural Networks for Visual Recognition, Deep Learning

Classroom Linear Algebra, Calculus, Discrete Mathematics, Probability Theory and Mathematical Statistics, Data Structure, Database System, Digital Logic Circuit