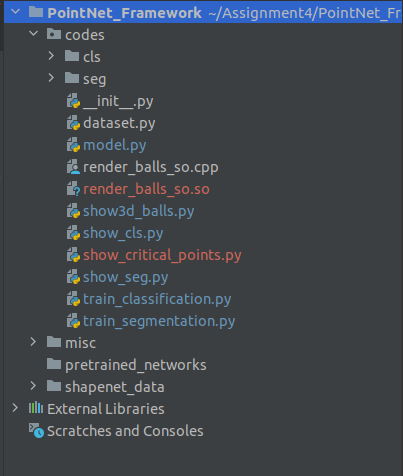
Bichun Zhang

301430901

PointNet

To run the command below, please make sure you have the same structure, otherwise, you need to config the path to the data dir yourself.



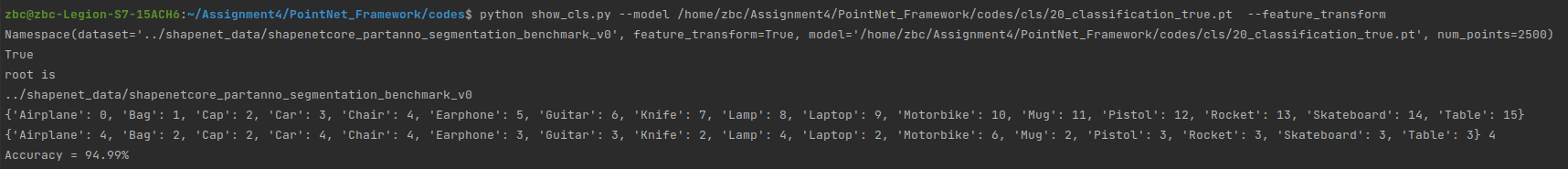
System: Ubuntu

GPU: RTX 3060

cd codes

1. Average Test Accuracy for classification with feature transformation of all classes

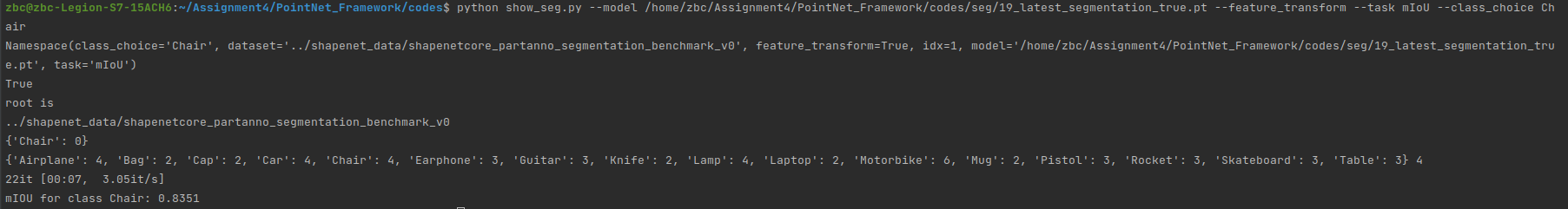
python show\_cls.py --model cls/20\_latest\_classification\_true.pt --feature\_transform



1. Average Test mIoU for segmentation with feature transformation on “Chair” > 0.8

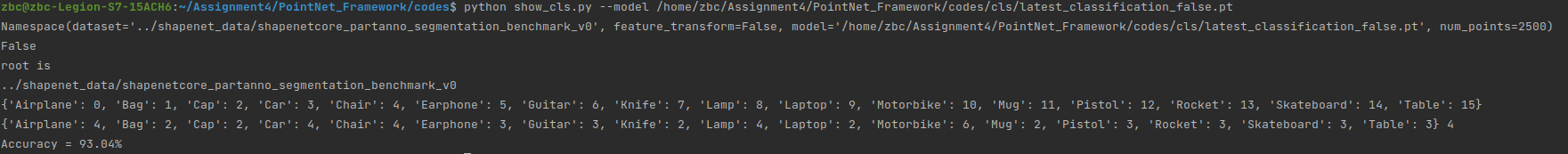
python show\_seg.py --model seg/19\_latest\_segmentation\_true.pt

--feature\_transform --task mIoU



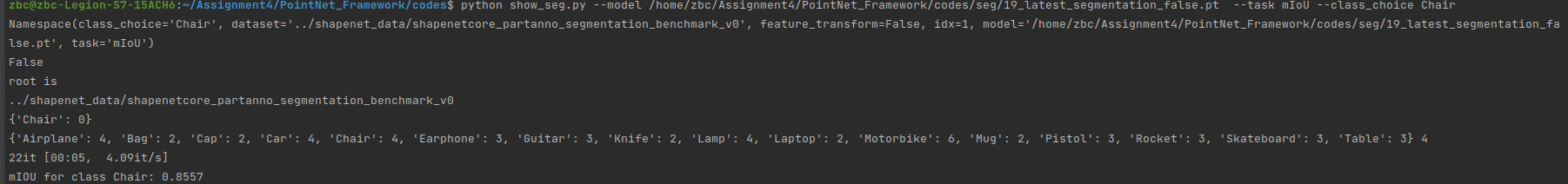
1. Report quantity results(Accuracy) without feature transformation in classification

python show\_cls.py --model cls/latest\_classification\_false.pt



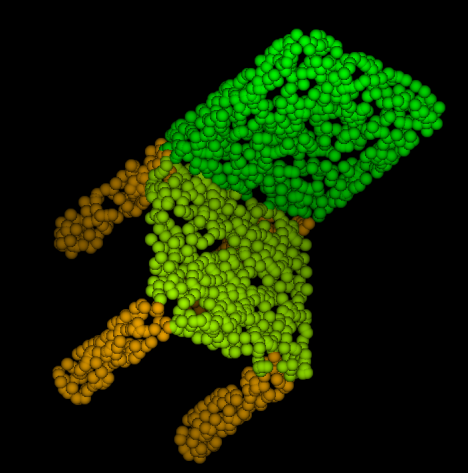
1. Report quantity results(mIoU ) with and without feature transformation in segmentation

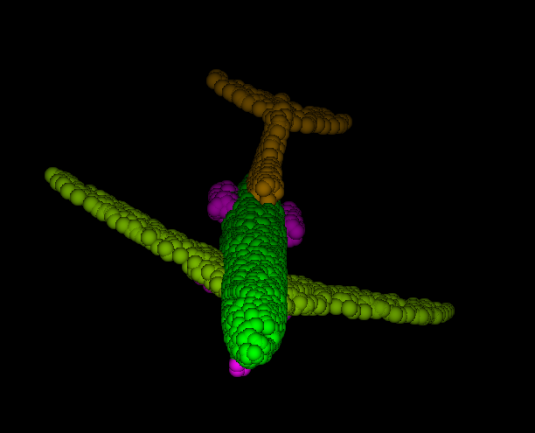
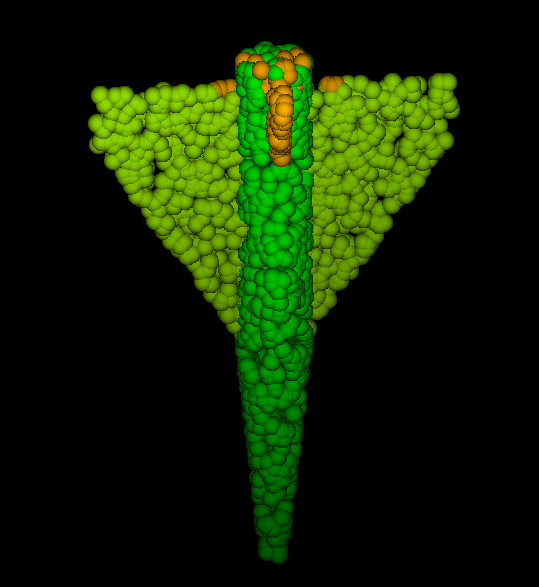
python show\_seg.py --model seg/19\_latest\_segmentation\_false.pt --task mIoU

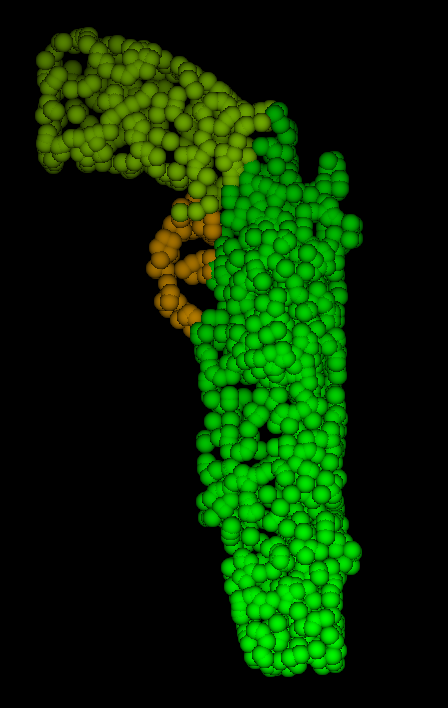


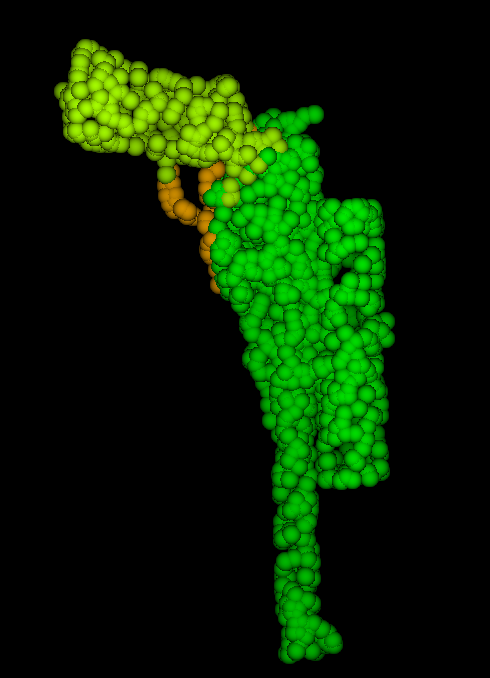
1. Visualization of at least 4 shape segmentation results from at least two classes.

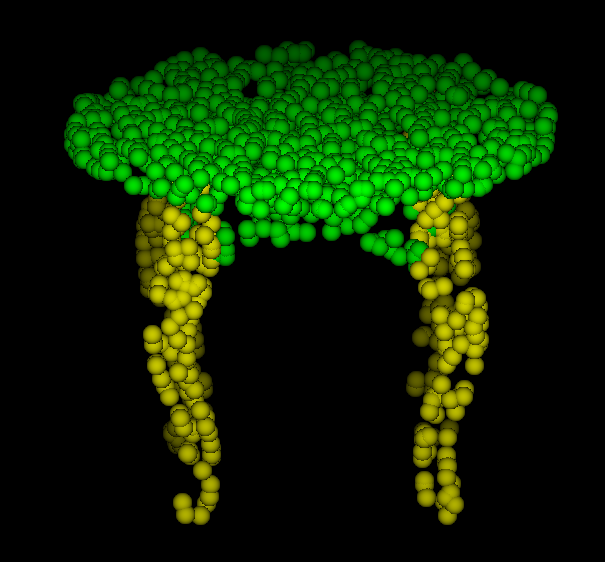
python show\_seg.py --model seg/19\_latest\_segmentation\_true.pt --task seg











1. Visualization of critical points of 4 shapes in classification

python