Read Me!

This folder contains 4 repository for training of 4 synthetic datasets:

1. CARLA\_singleView is a model trained on self-generated single camera dataset from CARLA.
2. CARLA\_stereoView is a model trained on self-generated dual camera dataset from CARLA.
3. KITTICARLA\_singleView is a model trained on self-generated single camera KITTI-CARLA dataset.
4. KITTICARLA\_singleView is a model trained on self-generated DUAL camera KITTI-CARLA dataset.

Install conda environment:

conda env create -f environment.yaml python=3.6

conda activate gsn

Training:

1. Modify the GPU device ID in scripts/launch\_gsn\_vizdoom\_64x64.sh.
2. Modify the training setting in configs/models/gsn\_vizdoom\_config.yaml if want to try out other hyper-parameters.
3. Put the corresponding preprocessed dataset downloaded from the drive to the data/ folder.
4. bash scripts/launch\_gsn\_vizdoom\_64x64.sh

Testing:

1. Put the corresponding preprocessed dataset downloaded from the drive to the data/ folder.
2. Start Jupyter server.
3. Open notebooks/walkthrough\_demo.ipynb.
4. Change the absolute path inside to your corresponding absolute path
5. Run it.

Model Training and Testing Information:

1. Stored in logs.
2. logs/vis give the visualization of the model training details.

Thank you for the classes!