**System:**

Pytorch 0.4.1

Cuda 9.0 cuDNN 7.4

Ubuntu 14.04

GCC 4.8.4

**Install warp-ctc**

pip install torch-baidu-ctc

**install torchaudio**

sudo apt-get install sox libsox-dev libsox-fmt-all

git clone https://github.com/pytorch/audio.git

cd audio

python setup.py install

pip install -r requirements.txt

**install data**

cd data; python an4.py

cd data; python librispeech.py

(data path: P100 /home/yxwang/proj/DGC\_speech2text/data/ )

**Run**

**An4:**

python train.py --rnn-type lstm --hidden-size 800 --hidden-layers 5 --checkpoint --train-manifest /home/yxwang/proj/DGC\_speech2text/data/an4\_train\_manifest.csv --val-manifest /home/yxwang/proj/DGC\_speech2text/data/an4\_val\_manifest.csv --epochs 100 --num-workers $(nproc) --cuda --batch-size 32 --learning-anneal 1.01 --augment

**Librispeech:**

python train.py --rnn-type gru --hidden-size 1200 --hidden-layers 7 --checkpoint --train-manifest /home/yxwang/proj/DGC\_speech2text/data/libri\_train\_manifest.csv --val-manifest /home/yxwang/proj/DGC\_speech2text/data/libri\_val\_manifest.csv --epochs 15 --num-workers $(nproc) --cuda --batch-size 20 --learning-anneal 1.1