WORK LOG

1. Pickle file contains path to images
2. Create 2 pickle files, 1 for train one for test as in the code specifies,
3. Where opt. is use you’ll find the parser argument
4. SSH into instruction GPU 2 pass Maiuyen10195!

y "ssh [your cs account name]@[instgpu-01.cs.wisc.edu](http://instgpu-01.cs.wisc.edu/)", and give it your CS account password.

[instgpu-01.cs.wisc.edu](http://instgpu-01.cs.wisc.edu/) to [instgpu-04.cs.wisc.edu](http://instgpu-04.cs.wisc.edu/).

1. Nvidia-smi shows you current available GPU
2. Download anaconda Linux version using wget (web address) (install at home folder?)
3. df -h shows usage
4. Bash anaconda … to install anaconda using bash?
5. Store in no backup on GPU -> can access everywhere
6. Copy: scp (file name in the directory you’re in)

To do: 1. download all data sets and classify them into folders

2. Run the first experiment to see if it’s ok

3. Try to run the experiment using return feature = True (using the hint Jifan uses)

4. Figure out the data sets path thing (pickle file and dataset paths, and \_getitem\_,…

opt.real\_list\_path = "/path/to/real\_picked\_files"

opt.fake\_list\_path = "/path/to/fake\_picked\_files"

opt.data\_mode = "ours" # since you are using your own dataset

opt.batch\_size = 32 # adjust based on your GPU memory

opt.num\_threads = 4 # adjust based on your machine

**Optimizing for Large Datasets:**

* **Increase num\_threads**: The DataLoader can use multiple worker threads to load images from disk in parallel (num\_workers=int(opt.num\_threads)).
* **Adjust batch\_size**: Depending on your GPU memory, you might need to experiment with the batch size for optimal performance.

python train.py --data\_mode ours --real\_list\_path /path/to/real\_picked\_files --fake\_list\_path /path/to/fake\_picked\_files --batch\_size 32 --num\_threads 4

* current command:

python train.py --name=clip\_vitl14 --arch=CLIP:ViT-L/14 --fix\_backbone --data\_mode ours --real\_list\_path .\datasets\_real\_and\_fake\real --fake\_list\_path .\datasets\_real\_and\_fake\fake --batch\_size 32 --num\_threads 4

**Note**: the current val.pickle file in both the real folder and the fake folder are just copies of the train.pickle folder. I’ll create an actual val.pickle file later. Essentially, in both the real and fake path, there need to be both train.pickle and val.pickle files