**Option 1 anaconda prompt create environment (easier then python3.7.8 method but I’m not sure if it will work with VOC)**

conda create -n env fewshot python=3.7

conda activate fewshot

pip install scikit-build

pip install cython

pip install numpy==1.19.1

pip install opencv-python==4.4.0.40

pip install Pillow==7.2.0

pip install PyYAML==5.3.1

pip install scikit-image==0.17.2

pip install scipy==1.5.2

pip install tensorflow==1.15.3

conda install pytorch torchvision torchaudio cudatoolkit=11.3 -c pytorch

pip install numpy==1.19.1

**option 2 python3.7.8 create virtualenv**

download python 3.7.8 https://www.python.org/ftp/python/3.7.8/python-3.7.8-amd64.exe

customize install location C:\Python37

add C:\Python37 to PATH

add C:\Python37\Scripts to PATH

change C:\Python37\python.exe to python37.exe

cd C:\Users\Gebruiker\AppData\Roaming\Visions of Chaos\Examples\MachineLearning\venv

python37 C:\Python37\Scripts\pip.exe install virtualenv

python37 C:\Python37\Scripts\virtualenv.exe -p c:\python37\python37.exe voc\_fewshot

python37 --version&"C:\Users\Gebruiker\AppData\Roaming\Visions of Chaos\Examples\MachineLearning\venv\voc\_fewshot\scripts\activate.bat"

python -m pip install win32api

python37 "C:\Users\Gebruiker\AppData\Roaming\Visions of Chaos\Examples\MachineLearning\venv\voc\_fewshot\Scripts\pip3.exe" install --no-cache-dir --ignore-installed --force-reinstall scikit-build

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall numpy==1.19.1

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall cython

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall --upgrade pip setuptools wheel

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall opencv-python==4.4.0.40

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall Pillow==7.2.0

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall PyYAML==5.3.1

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall scikit-image==0.17.2

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall scipy==1.5.2

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall tensorflow==1.15.3

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall torch torchvision --extra-index-url https://download.pytorch.org/whl/cu113

python37 C:\Python37\Scripts\pip3.exe install --no-cache-dir --ignore-installed --force-reinstall numpy==1.19.1

**ADD \_TOOLS TO PATH**

for windows the temporal consistency tools are prebuilt, u just have to link the files to PATH in environment variables

i did this to dodge the path character limit error, it's probably better if you paste it in the normal PATH though (if you have enough space)

edit PATH , click on new and type in %PATH2%

make new system variable

variable name : PATH2

variable value : C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\disflow.exe;C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\opencv-4.2.0\bin\opencv\_world420.dll;C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\gauss\gaus.exe;C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\bilateralAdv\bilateralAdv.exe

put "C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\disflow.exe" in PATH2

put "C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\opencv-4.2.0\bin\opencv\_world420.dll" in PATH2

put "C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\gauss\gaus.exe" in PATH2

put "C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\bilateralAdv\bilateralAdv.exe" in PATH2

variable value paths in mine (change it to your location of these paths) (make sure u include this symbol ; between these paths id you're using the extra PATH:

C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\disflow.exe

C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\disflow\opencv-4.2.0\bin\opencv\_world420.dll

C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\gauss\gaus.exe

C:\deepdream-test\Few-Shot-Patch-Based-Training\\_tools\bilateralAdv\bilateralAdv.exe