How to Set Up a PyTorch Environment

These instructions have been summarized from <https://github.com/jeffheaton/app_deep_learning/blob/main/install/pytorch-install-aug-2023.ipynb>

1. First you will need some software to get the environment up and running.
   1. Miniconda: go to <https://docs.anaconda.com/free/miniconda/index.html>.
   2. Python: go to <https://python.org/downloads/>. Stick to versions between 3.08 and 3.11 for compatibility.
   3. A torch.yml file: <https://github.com/Very-Bad-Goose/Senior-Project/blob/main/Resources/torch.yml>
2. Once all of these have been downloaded and installed, create a folder somewhere on your machine that you will not forget.
3. Place the torch.yml file in that folder.
4. Open Anaconda (miniconda) as admin and navigate to your folder. Run the following commands. Choose which command to use based on your OS and hardware:

Device Specific Commands:

Mac M1/M2: conda env create -f torch-conda.yml

NVIDIA CUDA GPU: conda env create -f torch-cuda.yml

CPU Only: conda env create -f torch.yml

Universal Commands:

conda activate torch

python -m ipykernel install --user --name pytorch --display-name "Python 3.11 (torch)"

\*Note, change “Python 3.11” to whatever version you are running.

1. If you would like, you can install an editor like Jupyter with the command:

conda install -y jupyter

1. Your environment should now be installed and working, please test to ensure that it is.