Development Setup

Please see https://github.com/pytorch/pytorch/blob/master/CONTRIBUTING.md#developing-pytorch

For fb employees, please read through this as well.

Learn about how to use PyTorch

Run through the PyTorch 60 Minute Blitz

If you're not familiar with machine learning, here is a nice lecture series.

Understand how PyTorch is used in the open-source community

- Watch a high-level overview of PyTorch by Joe Spisak
- Take a look at PyTorch tutorials
- Take a look at PyTorch examples

Explore popular open-source models and frameworks using PyTorch * Detectron and Mask R-CNN, Computer Vision * PyText, NLP * Horizon, Applied Reinforcement Learning

Workflow tips and tricks

Build only what you need

If you don't need CUDA, build using `USE_CUDA=0`: the build is significantly faster. There are also a lot of other build flags that help get rid of components that you might not work on. Below is an opinionated build command that gets rid of a lot of different options that don't get used very often.

```
USE_KINETO=0 BUILD_CAFFE2=0 USE_DISTRIBUTED=0 USE_NCCL=0 BUILD_TEST=0 USE_XNNPACK=0 USE_FBGE
```

(See this for more details)

Use viable/strict

The head of the pytorch/pytorch master branch may have test failures (see here for the current state). When developing PyTorch, instead of branching off of `master`, you can branch off of `viable/strict`. `viable/strict` is a branch that lags behind master and guarantees that all PyTorch tests are passing on the branch. Basing your work off of `viable/strict` gives you confidence that any test failures are actually your code's fault.

Some quick git tips:

```
# Creating a new feature branch off of viable/strict
git checkout viable/strict
git checkout -b my_new_feature
```

```
# Rebasing your work to appear on top of viable/strict, assuming upstream points to pytorch/
# (Some people develop with origin pointing to pytorch/pytorch)
git pull --rebase upstream viable/strict
```

For more details

See this detailed section in our CONTRIBUTING.MD

Submitting a change to PyTorch

Please see https://github.com/pytorch/pytorch/blob/master/CONTRIBUTING.md

For fb employees, please see here