

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_FBGEMM=0 USE_QNNPACK=0 USE_MKLDNN=0 USE_MIOPEN=0 USE_NNPACK=0 BUILD_CAFFE2_OPS=0
USE_TENSORPIPE=0 python setup.py develop
```

(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/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](#)