**Yolo\_v3 code**

<https://machinelearningmastery.com/how-to-perform-object-detection-with-yolov3-in-keras/>

**Gun Detection notebook, has data for yolo, with bounding boxes (useful to see how to setup training data).**

<https://www.kaggle.com/atulyakumar98/gun-detection-starter>

**How to train your YOLO**

[**https://blog.insightdatascience.com/how-to-train-your-own-yolov3-detector-from-scratch-224d10e55de2**](https://blog.insightdatascience.com/how-to-train-your-own-yolov3-detector-from-scratch-224d10e55de2)

the github for the code

[**https://github.com/AntonMu/TrainYourOwnYOLO**](https://github.com/AntonMu/TrainYourOwnYOLO)

**image annotation tool**

[**https://github.com/microsoft/VoTT/releases**](https://github.com/microsoft/VoTT/releases)

**Another How to train your own yolo:**

[**https://pysource.com/2020/04/02/train-yolo-to-detect-a-custom-object-online-with-free-gpu/**](https://pysource.com/2020/04/02/train-yolo-to-detect-a-custom-object-online-with-free-gpu/)

**(potentially better than the previous one)**

**Youtube tutorial for this:**

[**https://www.youtube.com/watch?v=\_FNfRtXEbr4**](https://www.youtube.com/watch?v=_FNfRtXEbr4)

**Torch code as trial:**

[**https://www.analyticsvidhya.com/blog/2019/10/building-image-classification-models-cnn-pytorch/**](https://www.analyticsvidhya.com/blog/2019/10/building-image-classification-models-cnn-pytorch/)

**optical flow code is from:**

[**https://opencv-python-tutroals.readthedocs.io/en/latest/py\_tutorials/py\_video/py\_lucas\_kanade/py\_lucas\_kanade.html**](https://opencv-python-tutroals.readthedocs.io/en/latest/py_tutorials/py_video/py_lucas_kanade/py_lucas_kanade.html)