**Pose Estimation with PoseNet**

[jetson-inference/posenet.md at master · dusty-nv/jetson-inference · GitHub](https://github.com/dusty-nv/jetson-inference/blob/master/docs/posenet.md)

**Part of Assignment two**

* Make sure that you fully run this section [Running the Docker Container](https://github.com/dusty-nv/jetson-inference/blob/master/docs/aux-docker.md)
  + Make sure you are in right directory in Putty, ssh, or other terminals
    - cd jetson-inference after git clone in next step
  + Launching the Container, Including:
    - $ git clone --recursive https://github.com/dusty-nv/jetson-inference
    - $ cd jetson-inference
    - $ docker/run.sh
  + Building the Container, Including:
    - $ docker/build.sh
* Now you must be run this section [jetson-inference/posenet.md at master · dusty-nv/jetson-inference · GitHub](https://github.com/dusty-nv/jetson-inference/blob/master/docs/posenet.md) completely, to do that follow the below as example:
* Use “cd” to get to bin folder
  + cd jetson-inference/build/aarch64/bin
  + Use “ls” to see list of files and directories….
  + Just run “posenet.py”
    - To make sure the camera is active
* **Pose Estimation from Stream Video**
  + **To detect hand’s pose, apply:**
    - posenet.py --network=resnet18-hand
  + **To detect body’s pose, apply:**
    - posenet.py --network=resnet18-body
* **Pose Estimation on Images**
  + Single image
    - $ posenet.py "INPUT PATH/humans.jpg" OUTPUT PATH/pose\_humans.jpg
  + Multi Images
    - $ posenet.py " INPUT PATH /humans\_\*.jpg" OUTPUT PATH /test/pose\_humans\_%i.jpg