

Step 1. Find an image.

The size of this image is large. The resolution is high.



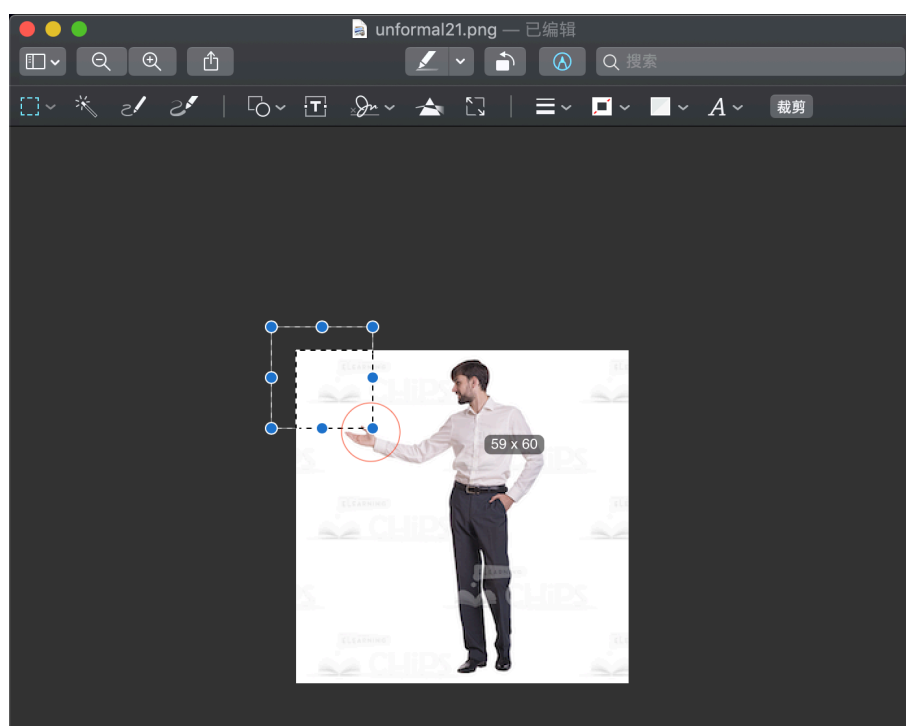
Step 2. Adjust the size.

I use the preview application of MAC to adjust the size to 256X256 (deep fashion) or 128X64 (market1501).



Step 3. Measure the coordinate of each key point.

I use rectangle select tool to measure the coordinate. The second value should be written at the left. In this case, the coordinate is (60, 59).



Step 4. Memo each key point.

The sequence is:

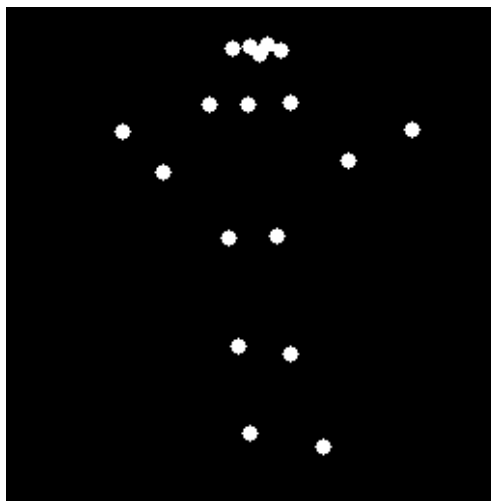
mouth, chest, his right shoulder, his right elbow, his right hand, left shoulder, left elbow, left hand, right thigh, right knee, right feet, left thigh, left knee, left feet, right eye, left eye, right ear, left ear.
I am not sure whether this sequence is necessary!!!

Step 5. Feed the 18 coordinates to the pt.py (pt256.py) file.
.npy file and sample .png file is generated.

The .npy file contains a Numpy array which shape is (256,256,18) for deep fashion, (128,64,18) for market1501.

18 channels, each channel contains one key point, the background pixel is -1, while the key point area is 1. The radius of the key point area is 4.

This pose is just an example. It doesn't correspond to the above picture.



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