

## face-recongnition开发记录

1. 图中W b 都是当前层的输入权重 w 的矩阵维度是 (前一层节点\*后一层节点) b的维度是 (当前层节点数目)

```
import os

import cv2

#import pyopencv

def dir_walk(path):
    for dir_path, dir_name, file_name in os.walk(path):
        for file in file_name:
            if '.jpg' in file or '.JPG' in file :
                file_path = os.path.join(dir_path, file)
                pic = np.array(cv2.imread(file_path))
                print(np.shape(pic))

#data=dir_walk('./mypic/pic')

pic = cv2.imread('./mypic/pic/wu2.JPG')
a=Image.fromarray(cv2.cvtColor(pic,cv2.COLOR_BGR2RGB))
a.save('./mypic/pic/wu3.JPG')
```

2. 发现用opencv读取图片的时候遇到了中文路径的问题 解决办法

<https://www.zhihu.com/question/47184512>

```
# imread
img = cv2.imdecode(np.fromfile('unicode_path', dtype=np.uint8), flags)
# imwrite
cv2.imencode('.jpg', img)[1].tofile('unicode_path')
```