

5G智能物联网

引体向上测试案例

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目录

1、引体向上测试案例的构建流程

2、Aidlux人体姿势关键点检测代码解读

3、逻辑判断引体向上测试个数

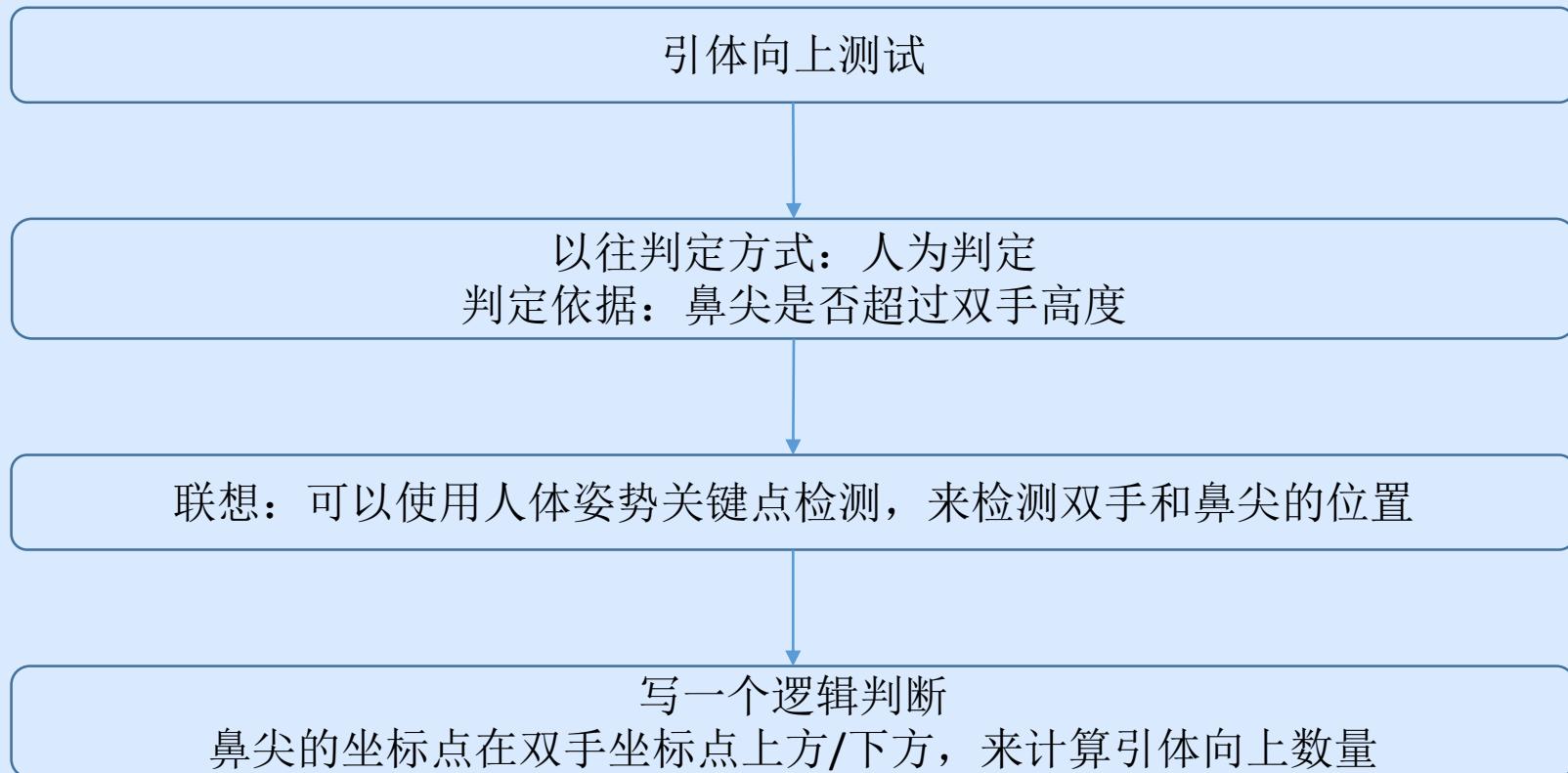
4、效果展示

5、引体向上测试案例代码

1

引体向上测试案例的构建流程

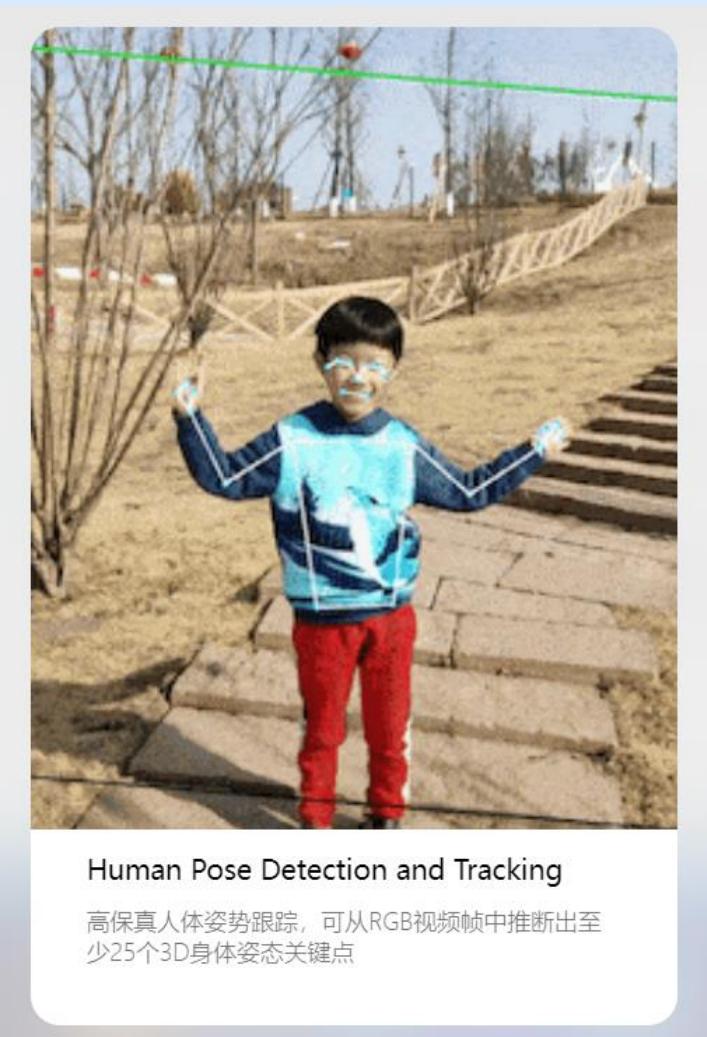
引体向上测试案例的构建流程



2

Aidlux人体姿势关键点检测 代码解读

Aidlux人体姿势关键点检测代码解读



```
Lahaina for_arm64 11:42

1 from cv2 import *
2 import math
3 import numpy as np
4 from scipy.special import expit
5 import time
6 import aidlite_gpu
7
8 aidlite = aidlite_gpu.aidlite(1)
9
10 def resize_pad(img):
11     """ resize and pad images to be input to
12         The face and palm detector networks take
13         as input. As such the input image is pa
14         size while maintaining the aspect ratio.
15     Returns:
16         img1: 256x256
17         img2: 128x128
18         scale: scale factor between original
19         pad: pixels of padding in the origi
20     """
21
22     size0 = img.shape
23     if size0[0]>=size0[1]:
24         h1 = 256
25         w1 = 256 * size0[1] // size0[0]
26         padh = 0
27         padw = 256 - w1
28         scale = size0[1] / w1
29
30     output:
```

3

逻辑判断引体向上测试个数

逻辑判断引体向上测试个数

The screenshot shows a development environment with a browser window open at `10.10.101.47:8000`. The browser title bar indicates the site is not secure. The main area displays a Python script named `testpose.py` with syntax highlighting. The script contains logic to detect head position relative to an average line and update a count variable based on the result. A yellow dot marker is placed on line 12, which defines the `detect` function. The terminal below shows the command `/bin/python3 /home/examples/pose_fibocom/testpose.py` was run, resulting in a stopped process due to SIGTSTP.

```
main.py > detect
  6
  7     #app = Flask(__name__, static_url_path='', static_folder='.')
  8     doing=False
  9     count=-1
 10    def detect(landmarks):
 11        global doing,count
 12        head_point=landmarks[0]
 13        print(head_point)
 14        lhand_point=landmarks[15]
 15        rhand_point=landmarks[16]
 16        avg_line=(lhand_point[1]+rhand_point[1])/2
 17
 18        if doing:
 19            if head_point[1]>avg_line:
 20                doing=False
 21                count+=1
 22            else:
 23                if head_point[1]<avg_line:
 24                    doing=True
 25
 26    @app.route('/')

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

[1]+ Stopped(SIGTSTP) /bin/python3 /home/examples/pose_fibocom/testpose.py
sh-5.0#

Ln 12, Col 25 (9 selected) Spaces: 4 UTF-8 LF Python 3.7.3 64-bit Layout: US

4

效果展示

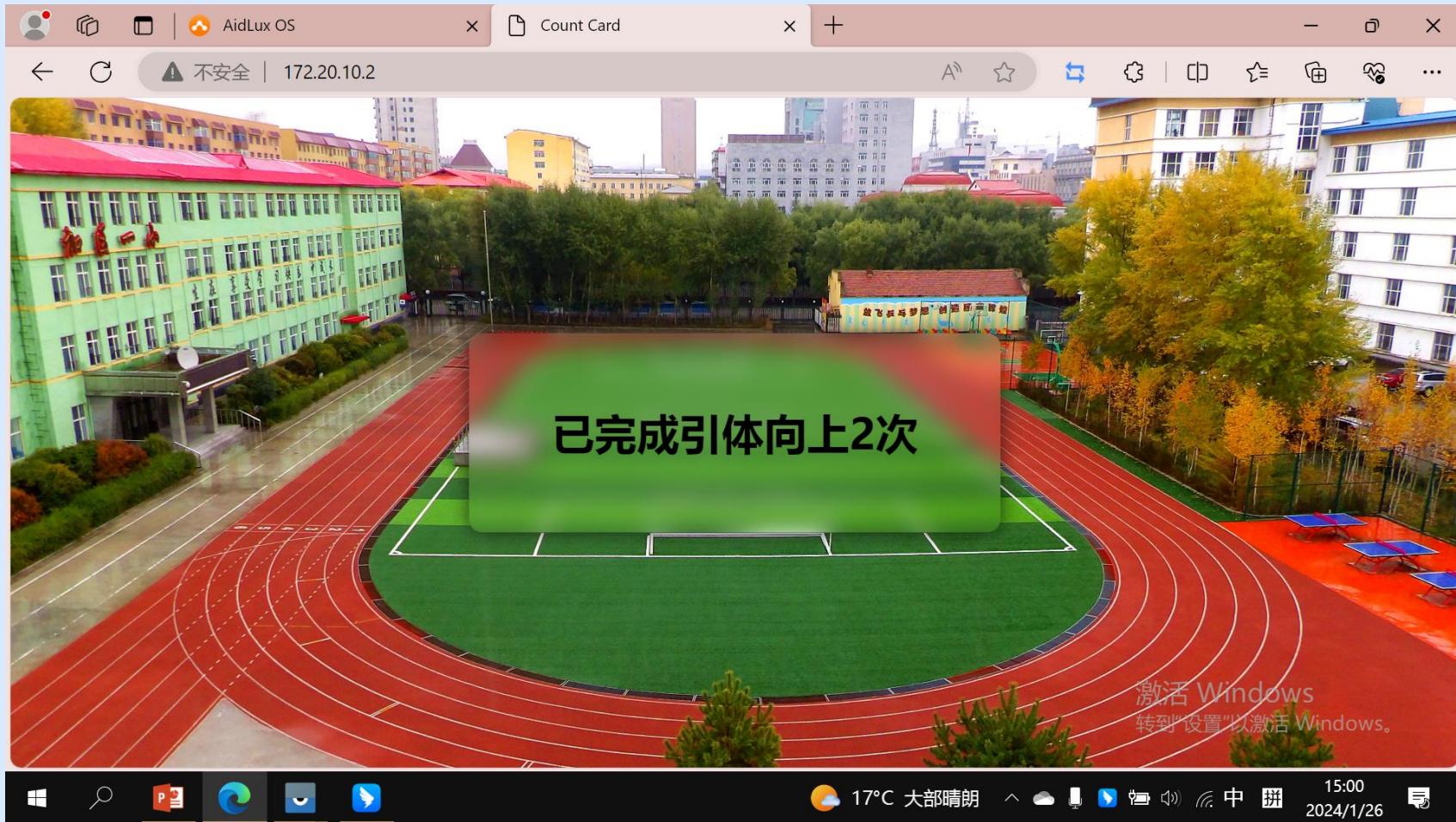
效果展示

SC171开发套件屏幕效果展示



效果展示

网页显示效果展示



5

引体向上测试案例代码

引体向上测试案例代码

工程链接: <https://pan.baidu.com/s/1jEyDZyDpcUPRPttP3-R5Cw?pwd=vs1y>

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