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How to draw a rectangle around a region of interest in python

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I'm having trouble with `import cv` in my python code.

My issue is I need to draw a rectangle around regions of interest in an image. How can this be done in python? I'm doing object detection and would like to draw a rectangle around the objects I believe I've found in the image.

[python](#)[opencv](#)[computer-vision](#)[draw](#)

edited Jul 10 '16 at 22:31



[Brian Burns](#)

5,667 3 40 43

asked May 18 '14 at 10:20



[user961627](#)

4,446 29 85 169

1 Answer

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A diagram showing a rectangle defined by four vertices. The top-left vertex is labeled x_1, y_1 , the top-right vertex is labeled x_2, y_1 , the bottom-left vertex is labeled x_1, y_2 , and the bottom-right vertex is labeled x_2, y_2 . The rectangle is formed by dashed lines connecting these vertices.

[edit] to append the follow-up questions below:

```
cv2.imwrite("my.png",img)

cv2.imshow("lalala", img)
k = cv2.waitKey(0) # 0==wait forever
```

edited May 18 '14 at 14:34

answered May 18 '14 at 10:32




berak

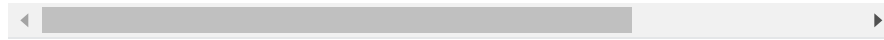
28.3k 7 61 69

I just tried importing cv2. I get: DLL load failed: %1 is not a valid Win32 application . I'm running win7 64-bit. And spyder and scikit libraries and everything's running 64-bit. – [user961627](#) May 18 '14 at 10:42

@user961627 download 64 bit install binaries from here
lfd.uci.edu/~gohlke/pythonlibs/#opencv – M4rtini May 18 '14 at 11:21

Thanks! I've downloaded it... any idea how to make it work with Anaconda's Spyder? – [user961627](#) May 18 '14 at 12:22 

Okay I've got it working on Spyder. @berak, how can I display or save the image? Should I assign it to a numpy array? I tried `ig = ImageViewer(cv2.rectangle(image1, (10, 10), (100, 100), (255,0,0), 2))` `ig.show()` but got this error: **TypeError: Layout of the output array img is incompatible with cv::Mat (stepIndims-11 !=**



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