image to text python program

<https://towardsdatascience.com/how-to-extract-text-from-images-with-python-db9b87fe432b>

pytesseract OCR library

<https://www.geeksforgeeks.org/how-to-extract-text-from-images-with-python/>

<https://www.youtube.com/watch?v=kyZ_5cvrXJI>

sorting lines

<https://www.tutorialspoint.com/python_text_processing/python_sorting_lines.htm>

<https://www.youtube.com/watch?v=T8UTagpN2mc>

Topic: image extractor and text compiler

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<https://docs.python.org/3/c-api/buffer.html>

to make the image crop

<https://www.pyimagesearch.com/2015/03/09/capturing-mouse-click-events-with-python-and-opencv/>

<https://thinkinfi.com/detect-mouse-click-events-with-python-opencv/>

for decting cortinates in image

<https://www.javatpoint.com/opencv-mouse-event>

import cv2

import numpy as np

#This will display all the available mouse click events

events = [i for i in dir(cv2) if 'EVENT' in i]

print(events)

#This variable we use to store the pixel location

refPt = []

#click event function

def click\_event(event, x, y, flags, param):

    if event == cv2.EVENT\_LBUTTONDOWN:

        print(x,",",y)

        refPt.append([x,y])

        font = cv2.FONT\_HERSHEY\_SIMPLEX

        strXY = str(x)+", "+str(y)

        cv2.putText(img, strXY, (x,y), font, 0.5, (255,255,0), 2)

        cv2.imshow("image", img)

    if event == cv2.EVENT\_RBUTTONDOWN:

        blue = img[y, x, 0]

        green = img[y, x, 1]

        red = img[y, x, 2]

        font = cv2.FONT\_HERSHEY\_SIMPLEX

        strBGR = str(blue)+", "+str(green)+","+str(red)

        cv2.putText(img, strBGR, (x,y), font, 0.5, (0,255,255), 2)

        cv2.imshow("image", img)

#Here, you need to change the image name and it's path according to your directory

img = cv2.imread("test.png")

cv2.imshow("image", img)

#calling the mouse click event

cv2.setMouseCallback("image", click\_event)

cv2.waitKey(0)

cv2.destroyAllWindows()

<https://stackoverflow.com/questions/28327020/opencv-detect-mouse-position-clicking-over-a-picture>