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Experiment 14:

Perform Perspective Transformation on the given image using python and Open CV.

Code:

```
import cv2
import numpy as np
img = cv2.imread("cat.jpg")
h, w = img.shape[:2]
src_pts = np.float32([[50, 50],[w - 50, 30],[40, h - 40],[w - 30, h - 20]])
dst_pts = np.float32([[0, 0],[w, 0],[0, h],[w, h]])
M = cv2.getPerspectiveTransform(src_pts, dst_pts)
warped = cv2.warpPerspective(img, M, (w, h))
cv2.imshow("Original Image", img)
cv2.imshow("Perspective Transformed", warped)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

Input:

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