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In [1]: import pathlib
import tensorflow as tf
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In [2]: #This will take the images in the folder_URL and apply a uniform padding that will
#both landscape and portrait photos and move them to a "paddedFile" folder. I then
#images and put them in the corisponding folder (robin, Landon, mike)

#individual image sets
folder_url = r"portrait_family_photos\landon"
#folder_url = r"family_photos\landon"
#folder_url = r"family_photos\robin"

#Images used for testing
folder_url = "test_family_photos"

data_dir = pathlib.Path(folder_url)

image_count = len(list(data_dir.glob('*')))
print(image_count)
```

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In [3]: #This will loop through each of the photos found above and apply padding to each, m

for file_path in data_dir.iterdir():
    image_url = folder_url + "\\\" + file_path.name

    image = tf.io.read_file(image_url)
    image = tf.image.decode_jpeg(image)

    padded_image = tf.image.pad_to_bounding_box(
        image, offset_height=0, offset_width=0, target_height=2049, target_width=15
    )

    encoded_image = tf.io.encode_jpeg(padded_image)

    new_image_name = "pad-" + file_path.name
    new_image_name = "C:\\Users\\MikeW\\Documents\\PaddedFile\\" + new_image_name

    print(new_image_name)

    with open(new_image_name, 'wb') as f:
        f.write(encoded_image.numpy())
```

C:\Users\MikeW\Documents\PaddedFile\pad-68549514710__B28D0004-F0D7-4B04-A036-EC0B257BD3CC conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-68575128069__ABBD307E-2DF3-4B8F-BD05-53B53AC68854.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-69517932283__ED52DB05-3499-49F6-A03E-89F8E2B68B45 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69681892134__F6EC47CD-6FDE-4EFC-A3DA-56A22815E4E8 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69681899597__E5B44BA9-3E1C-42C5-B0CF-42718D320423 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69687835907__410C2B21-E5BB-4BC6-A90A-81AE3528B8DD conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69703711635__A3B75B6F-23A5-48D5-B64C-14FA6475C667 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69739891179__5AEDFAC2-02D2-44E5-A0C4-5D008715F4BF conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-69999277912__967B8A11-FE80-4939-8197-7B5656366C14 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-70007848463__B9DDCA2E-7AC7-4B42-8458-7F723A87290A conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-70096046479__D8F45E46-4E24-482C-9E31-0E3C9360CAFC conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-70110664074__EB613B52-AEBF-4364-84FA-AE64E958F453 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-70112534399__F03C0F46-7493-4890-AB89-5B57C1D0AC1D conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-FullSizeRender 2 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-FullSizeRender conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0037 2 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0037 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0038 2 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0038 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0046 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0047 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0048 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0153 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0155 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0158 2 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0158 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0222 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0225 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0226 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0227 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0247 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0347 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0348 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0351 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0388 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0453.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0528 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0586 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0587 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0588 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0649.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0697 2 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_0697 conv.jpeg

[illegible]

[illegible]

C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5107.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5111.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5284.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5303.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5304.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5305.JPG
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C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5889.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5890.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5965 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_5999.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6003.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6006 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6006.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6007.JPG
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6009 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6011 conv.jpeg
C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6075.JPG
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C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6154 conv.jpeg
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C:\Users\MikeW\Documents\PaddedFile\pad-IMG_6193 conv.jpeg
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