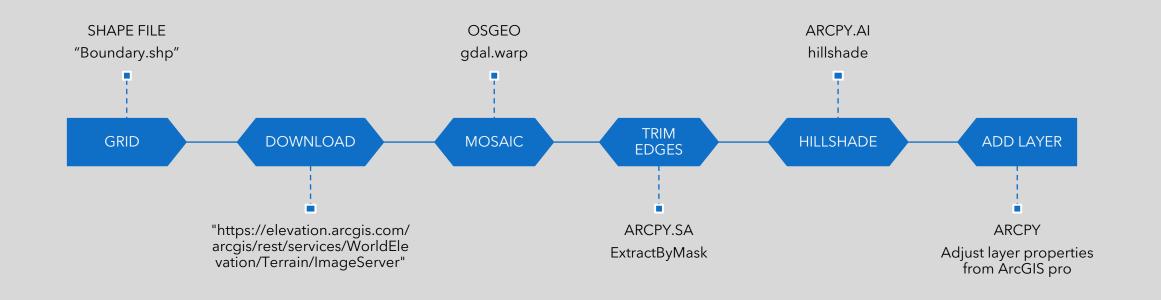
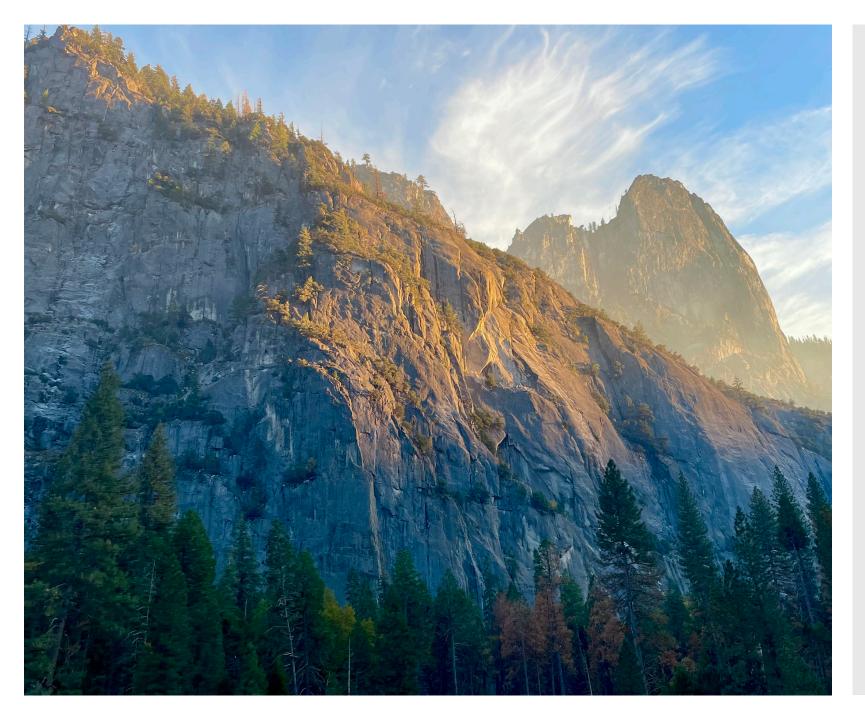
## MAP BACKGROUNDS

Michelle Walker

## ARCPY, the Cartography Helper





## Sticky Parts

-Making sure the workspace was consistent from python to ArcGIS Pro

-Using the GLOB (global) library to look for files in the workspace.

-Adding the raster layer to the map.

-Adjusting any layer attributes with Python

```
31 #Getting the shape file that we will use to define the boundaries of our grid(s)
     32 #inputPoly="Boundary.shp"
     33 inputPoly = arcpy.GetParameterAsText(0)
     34
     35 #We want the workspace to match the directory of the inputPoly
     36 folder = arcpy.Describe(inputPoly)
     37 path = folder.path
     38 arcpy.env.workspace = str(path)
     39 #print(arcpy.env.workspace)
     40
106 #Hopefully the glob will find all the files with a certain format, ie my .tif(s) Check out go(
107 ##glob.glob('*.txt')
                                         :matches all files ending in '.txt' in current directory
108 ##glob.glob('*/*.txt')
                                        :same as 1
                                                                                                        workspace.
109 ##glob.glob('**/*.txt')
                                         :matches all files ending in '.txt' in the immediate s
110
                                         #but not in the current directory
111 ##glob.glob('*.txt',recursive=True) :same as 1
112 ##glob.glob('*/*.txt',recursive=True) :same as 3
113 ##glob.glob('**/*.txt',recursive=True):matches all files ending in '.txt' in the
                                                                                          dire
114 ##So it's best to always specify recursive=True.
115
116 #Here is a list (using glob2) of all the .tif in the current dirrectory.
                                                                                  dicates the
                                                                                                        the map.
117 #current directory. Recursive means that it looks in subdirrectories:)
118 files to mosaic = glob2.glob('**/DEM *.tif', recursive = True)
119 print(files to mosaic)
120
```

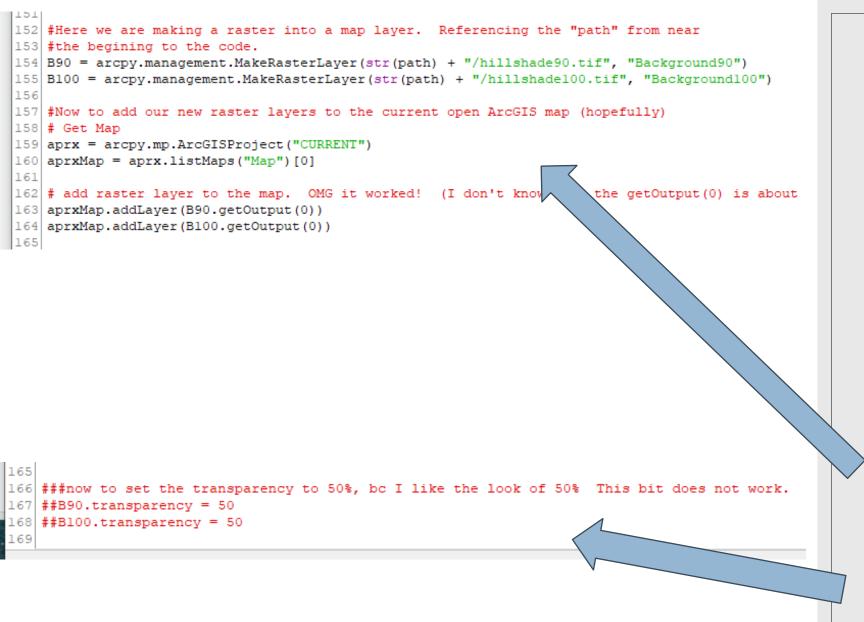
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