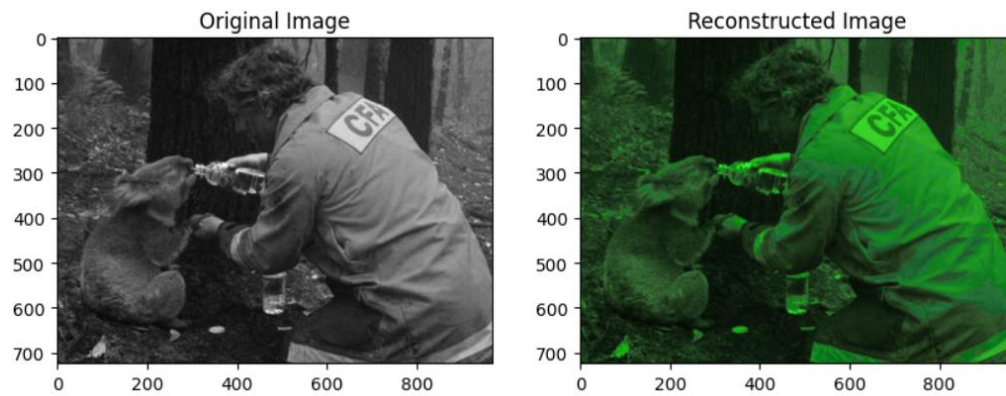


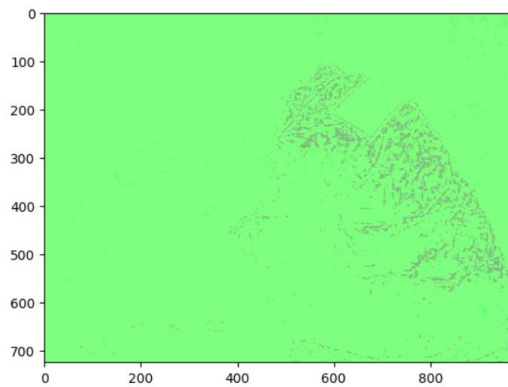
Name: John Stephen Gutam
Email: jgutam@gmu.edu

Part-1: Linear Interpolation

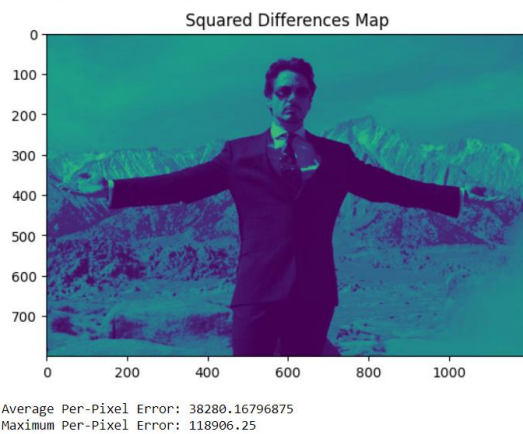
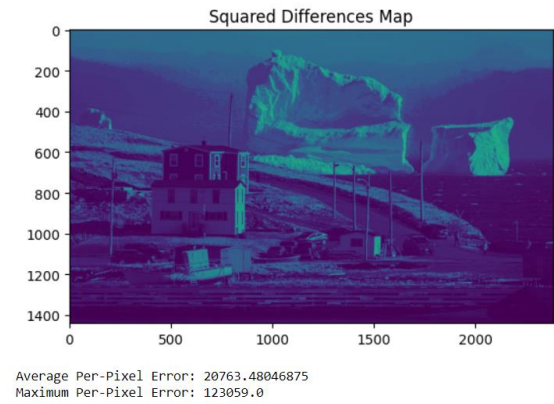
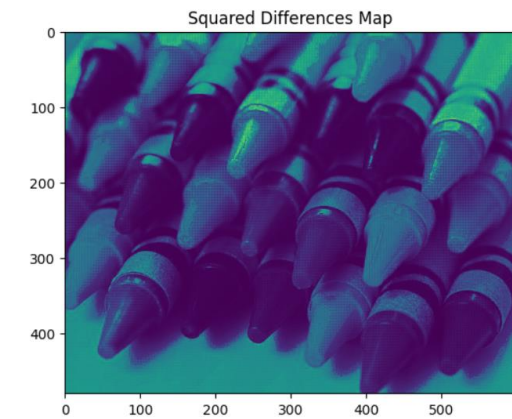
- 1) Insert your linear interpolated test image(hope.jpg) here:
Simple Linear Interpolation approach



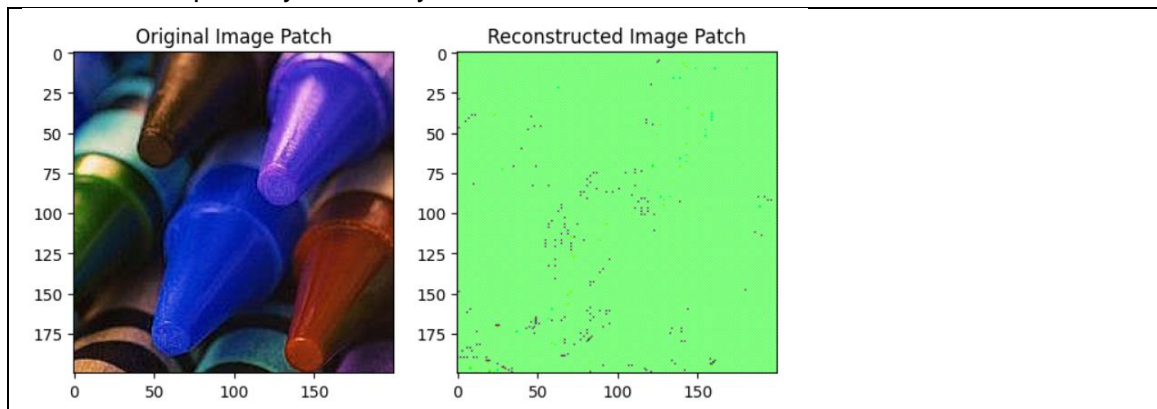
Output of `get_solution_image()` method for test image(hope.jpg):

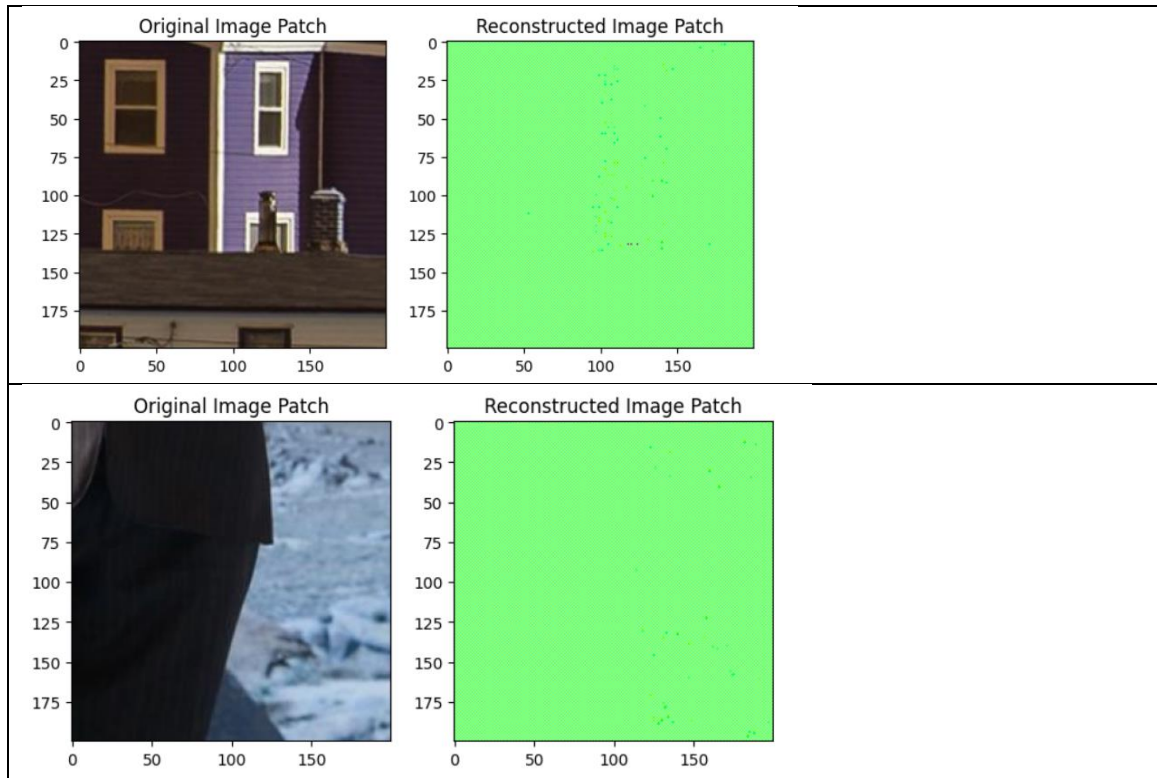


2) Display the map/plot of all the 3 training images here:



3) Post a close-up of any artifacts you came across.



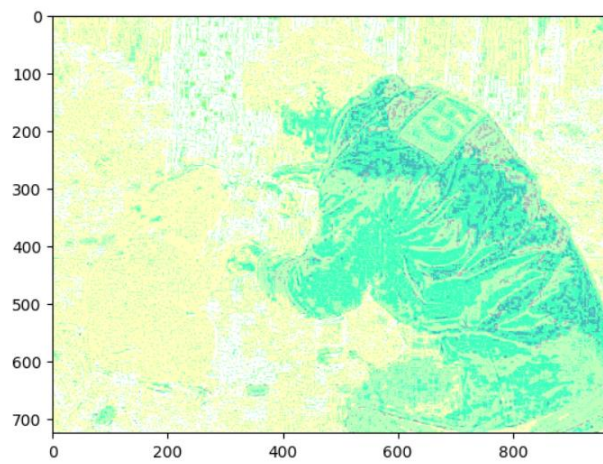


4) Average_per_pixel error and Max_pixel_error for each of 3 training images :

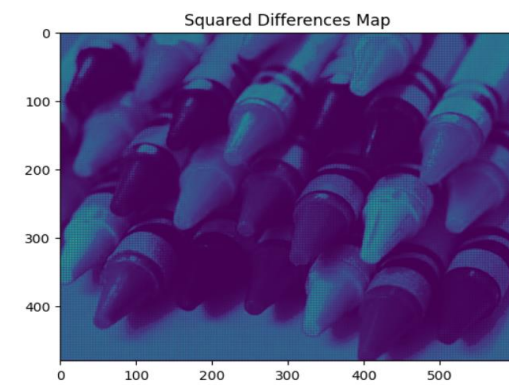
Image	Average_per_pixel_error	Max_pixel_error
Crayons	24640.01953125	125648.25
Tony	38280.16796875	118906.25
Iceberg	20763.48046875	123059.0

Part-2 : Freeman Method

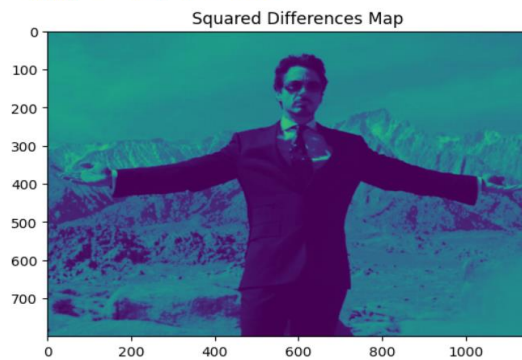
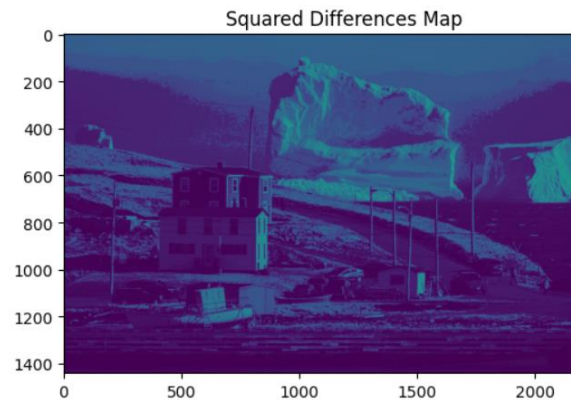
5) Insert your Freeman Method test image (hope.jpg) here:



6) Display the map/plot of all the 3 training images here:

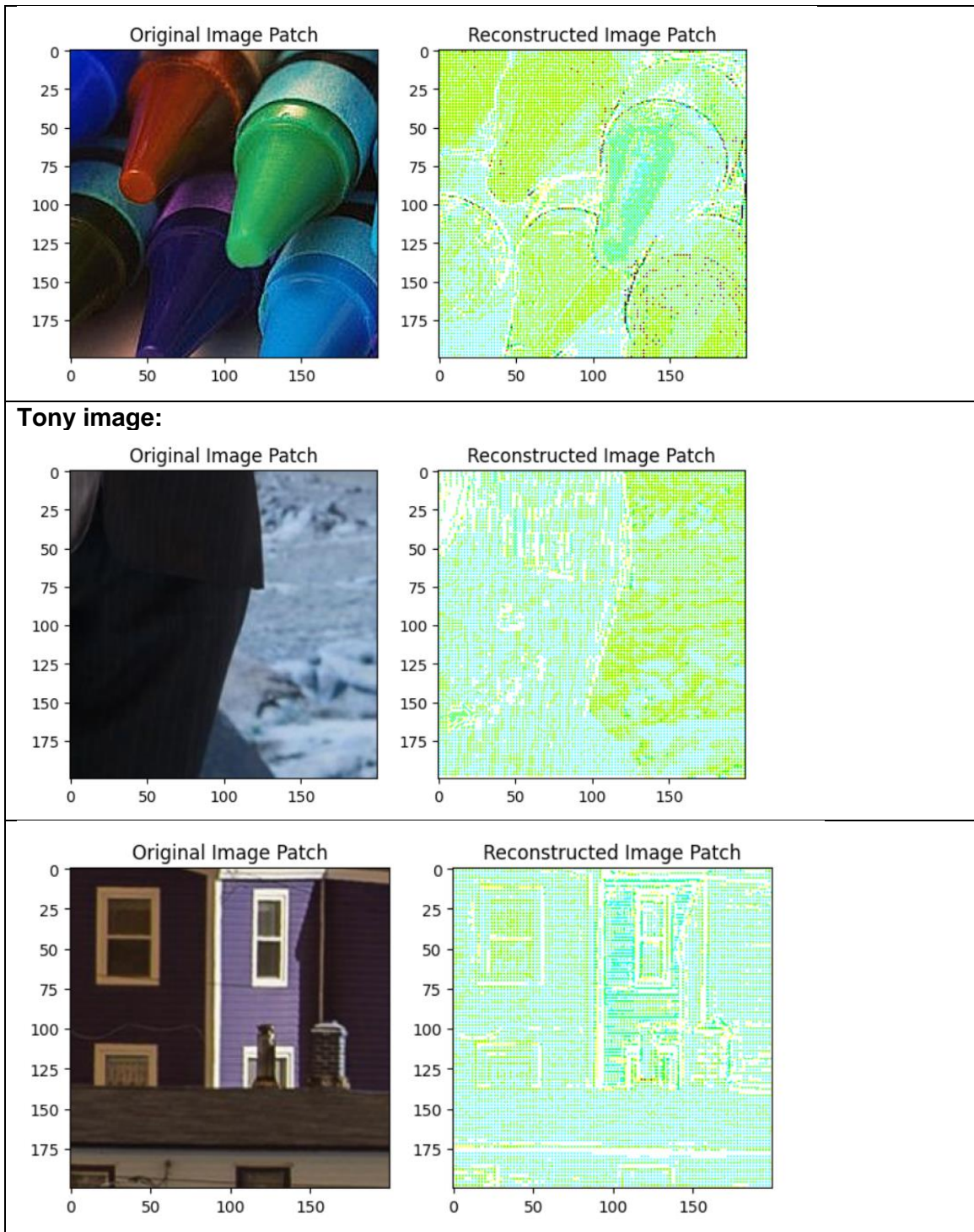


Average Per-Pixel Error: 26826.916015625
Maximum Per-Pixel Error: 210424.25



7) Post close-up of any artifacts you came across. very blurry corners and connections.

The image looks a bit blurry at the edges.



8) Average_per_pixel error and Max_pixel_error for each of 3 training images :

Image	Average_per_pixel_error	Max_pixel_error
Crayons	26826.916015625	210424.25
Tony	38360.93359375	119319.25
Iceberg	19635.33203125	141157.25