CSCE 489/689 - Computational Photography

Programming Assignment 5
Deadline: April 8, 2020
Report By:
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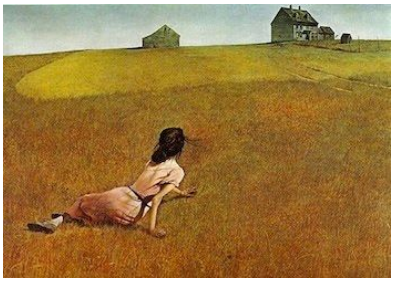
Seam Carving input and output for changes in width and height

Original	Change in WIdth	Change in Height
		
		
		
		

Seam Carving with masks

*Seam Carving with masks resulted in strange white artifacts in masked regions

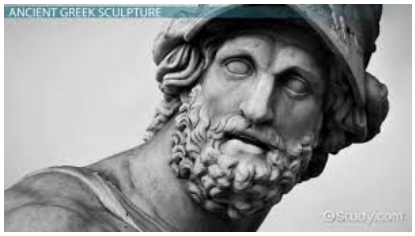
Observations

Studying the sample images above it is not difficult to notice the changes when comparing to the original.The same can not be said about studying the images without the original image, as it almost looks like images were captured in the way they are portrayed. It only images with many noticeable details specifically edges where the gradient changes that we notice the image is fake. For instance in the image with the two men , if we were to ignore the men for a moment and assume they looked perfect, the windows would be the next things that really stand out and make it clear that the image is fake.

To further argue in favor of this claim we will provide several more detailed photos with seam carving applied to them.

Honestly it doesn't seem that bad. Looking at the historic sculpture the wheels definitely don't look the same but hey if i saw the image on the right first i'd probably attribute that to years of the sculpture being broken down by the forces of nature.

Now for the picture with the man and a boat, it nearly looks like the man in the image is an Athenian soldier getting ready to go battle that boat.



Even this dude is in awe by the way he looks.

That aside let's check out how seam carving would look on a water painting.

Looks pretty cool if you ask me.