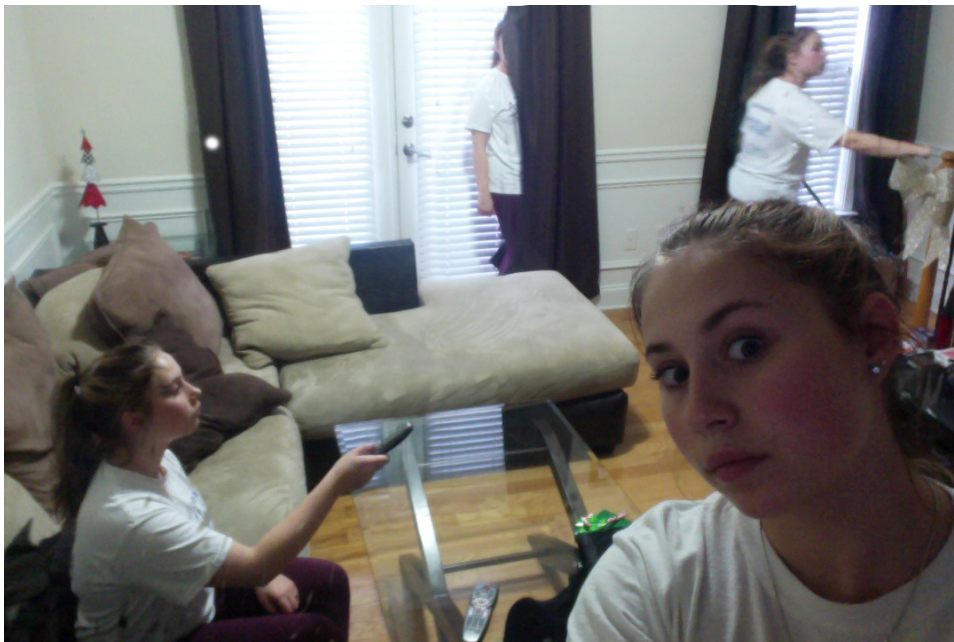
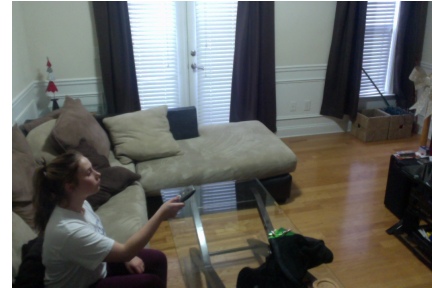




## Computational Photography (Sp 2015) HW3

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I live with two roommates who are never home. I like to joke that I live with me, myself, and I. I thought it would be cool to make my joke come alive and create a photo of four “roommates” living together. I used Photoshop to blend the four images to make one cohesive photo showing myself in four different positions in the room.

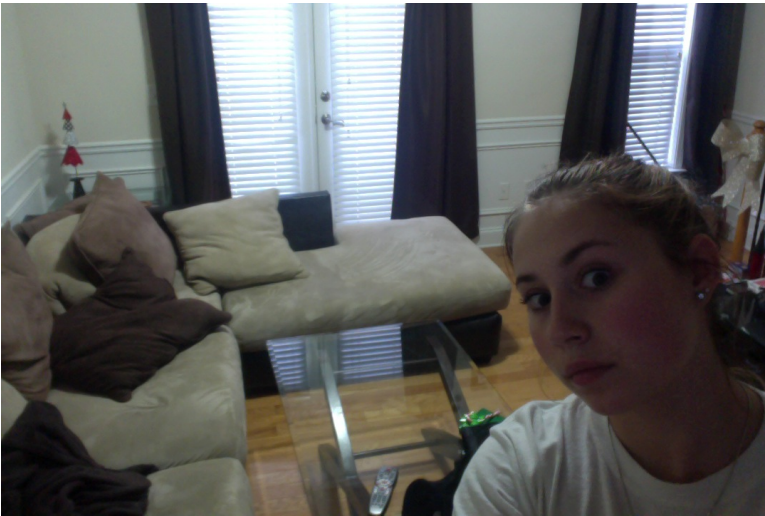


# Details of the Pictures I Took



- Wanted to create a final picture that shows me with my three “roommates.”
- Took four pictures of myself using my laptop in a stationary position.
- Positioned myself in four different locations.
- Blended the photos together using Adobe Photoshop
- I aligned the images, duplicated the layers, deleted the originals, erased each layer to reveal the person under it, flattened the image, and boosted the brightness.

# + Image 1



I wanted to get a good shot of my face so that the viewer could be certain that I was the only person in the picture. I also wanted to test out my laptop to see the quality of picture taken and how much time I had to run to my next position.

This image is the top layer in Photoshop. This is the biggest photo of myself so I did not want to have to erase through several pictures to reach this layer.

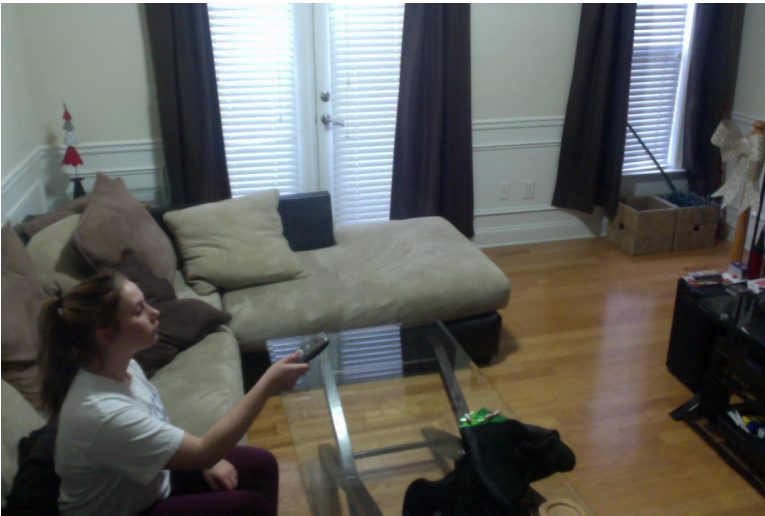
## + Image 2



We all have had that one roommate that is a little....eccentric. I hid behind the drapes to add some humor to the photo and lighten the mood.

This was the hardest photo to erase correctly. I was not sure how much of the blinds to reveal since the lighting outside got slightly brighter. I decided to reveal the shadow I had created on the window. I then used the blending tool to ease the sharp lines I had created to make the lighting issue less noticeable.

# + Image 3



When I'm not studying (which is almost never) I enjoy catching reruns of a few of my favorite shows on TV. So this was a natural choice for one of my four positions.

I had to be careful to not overlap with another image of myself, so I chose to sit as far away from my two other existing images as possible. This was my easiest image to erase and reveal as the lighting did not change here (no blending) and I was not close to any other images.



## + Image 4



This is where things got a little tricky. I was out of room to place a fourth and final image of myself in the frame without overlapping with another image.

I chose to overlap with the close-up of my face since the lighting was fairly consistent here throughout all four pictures and my head was a large, relatively smooth surface that I could carefully erase around. I zoomed in and using a small eraser, I carefully erased a small buffer around my head, and then went on to slowly reveal the rest of my final image.

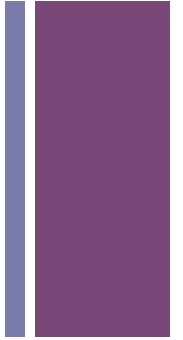
# + Final Image







# Final Image



- Made an image based off a joke that because my roommates are never home, I live with me, myself, and I.
- Series of four images taken within 2 minutes of each other.
- Each image depicts me doing something in another part of the room.
- Images captured with my MacBook. I do not own a camera and my phone does not have a timer, so I felt that this was my best option.



# Final Image



- The final image was created using Photoshop.
- I created four duplicate layers, then deleted the original layers as I did not want to alter the originals themselves.
- I simply started with a stack of two layers and using the eraser tool, I erased the top layer to reveal an image of me below.
- I repeated this practice with all four layers. I had to erase several times on the last layer to reveal the other three images of myself.



# Final Image



- The lighting changed slightly on the image where I am hiding behind the curtain.
- I used the blending tool to smooth these lines and make the lighting change on the window less noticeable.
- The final image was a bit dark (not the highest quality camera), so I increased the brightness a little bit.



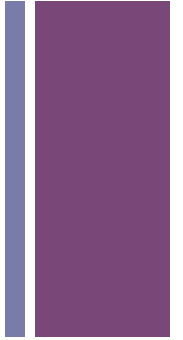
# Motivation/Goal



- My goal was to create a humorous picture.
- Picture is based on a joke that my roommates are me, myself, and I because my real roommates are almost never at home.
- Picture is supposed to depict four roommates going about their daily lives in my apartment's living room.



# Generation of the Final Image

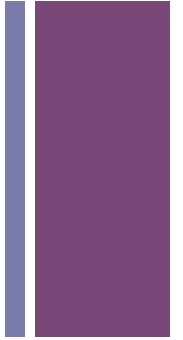


- Final image was created in Photoshop.
- Created by erasing layers at certain points to reveal myself in a new position in the layer below.
- Used the blending tool to blend edges together where the lighting changes slightly between takes
- Used a MacBook camera, so I brightened the final image a bit in Photoshop.





# Was this Attempt Successful?



- Overall, I'd say that the final image is a success.
- Viewers can easily tell that it is me in each of the four different positions.
- No visible edges or changes in color or lighting that I was not able to correct
- I do wish that I could have used a higher quality camera. I would repeat the same process, but the images would be more crisp and of better quality.
- Images were a little dark.