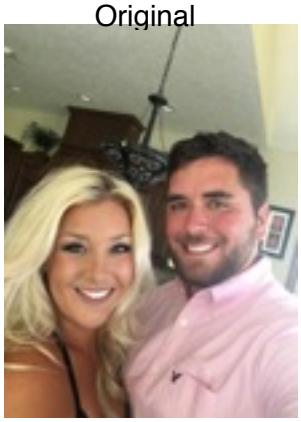
Nick Miller

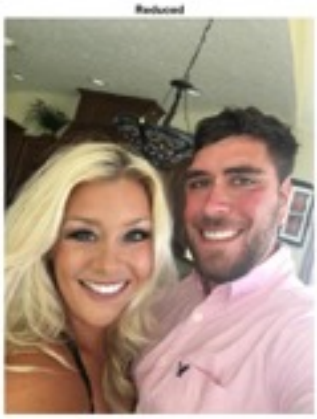
Details about HW2P

- For part_a.m
  - The saved images are in “part_1 images” folder.
- For part_b.m
  - The saved images are in “part_2 images” folder.
- For part_c.m
  - The saved images are in “part_2 images” folder.
  - There is a red line for horizontal, and yell line for vertical.
  - The red line for the mall.jpg is located towards bottom, a little difficult to see.
- For part_d.m
  - All of the images do get transformed. They are large so they take some time.
  - The first image is an image of two people.
    - The input dimension is 1000x750
    - The output dimensions is 769x602
    - The sequence of removals is
      1. Remove 100 from the width.
      2. Remove 231 from the height.
      3. Remove 48 from the width.
    - What I was expecting to get from this image was an image with the facial features twisted because of how much of the picture the facial features consumed. The facial features were twisted, but the forehead of the male shrunk and sort of made the head of him bulge.

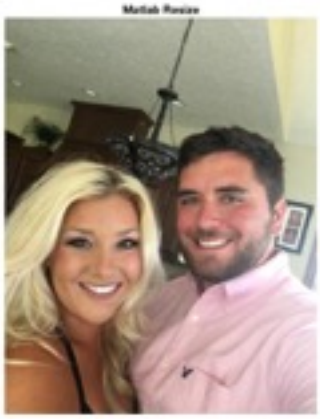
Original



Reduced



Matlab Reduce

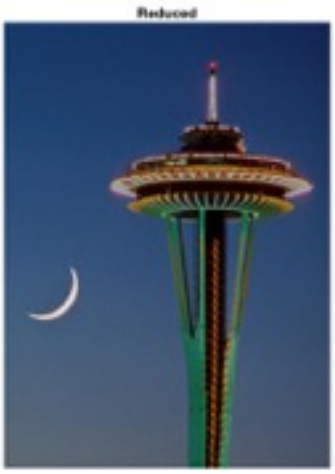


Nick Miller

- The second image is an image of a sky needle.
  - The input dimension is 750x747
  - The output dimension is 700x517
  - The sequence of removals is
    1. Remove 230 from the width.
    2. Remove 50 from the height.
- What I was expecting from this image was the the image get rid of some of the empty sky and move the moon closer to the sky needle. This is exactly what it did, but not without try and fail. If I got rid of to much off the width the moon started to bend and disappear and the actual needle on top of the structure would start to disappear as the width was removed.

Original

Reduced



Matlab Reduced

- The third image is an image of a downtown city street with the sun in the middle
  - There are pauses in this program after each image gets changed. Hit any key.
  - The input dimension is 600x900
  - The output dimension is 520x500
  - The sequence of removals is
    1. Remove 120 from width.
    2. Remove 50 from height.
    3. Remove 280 from width.

Nick Miller

- The exception for this image was that the middle where the sunlight was coming through would be gone and the road would've been smaller but the buildings would not be distorted. In reality the building to the left overtook the middle and the buildings by the light got very distorted. Also the street began to bend.

Original

Reduce