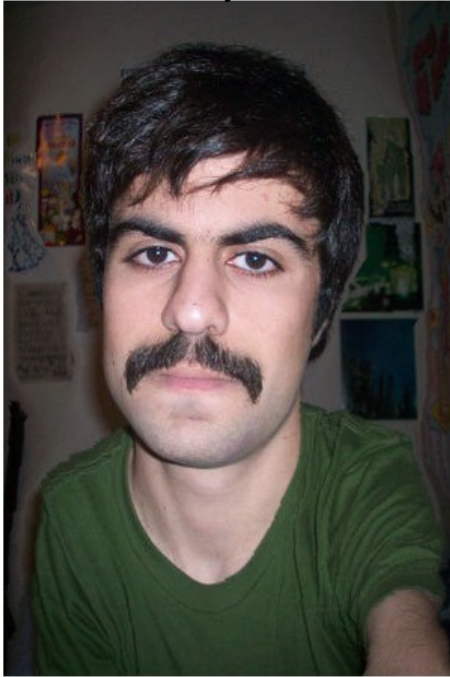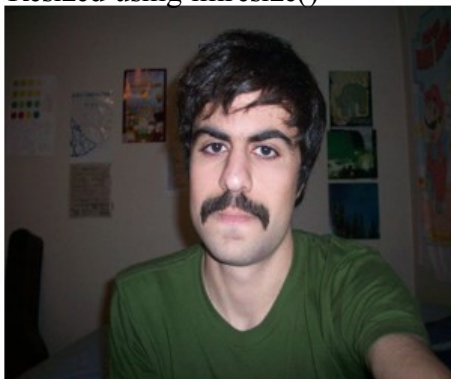Reduced widtht by 300   Original image

My friend, Cina. Original image
450 x 600, reduced to 250x300.
Reducing width by 300 pixels did not
affect facial features, due to the flash
(which affected gradient), and wall
in background. However, when 200
pixels were removed from the height,
very strange artifacts appeared.

Resized using imresize()

Reduced width by 300
Height by 200

Original image

Reduced height by 200

This image of a cliff (604x453 pixels) was reduced 200 pixels in height to 404x453. The resized image looks similar to the original image, with some distortion on the right side of the image. However, the trees and horizontal lines of the cliff were retained.

Resized using imresize()

Original image

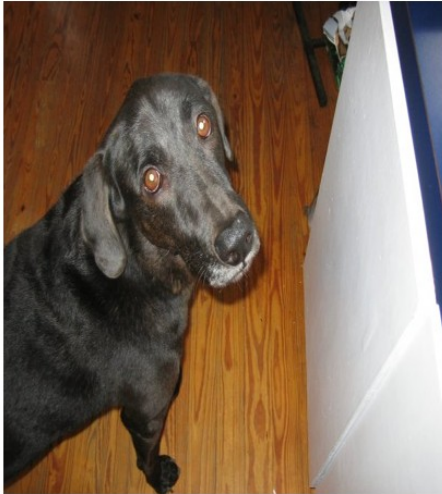Reduced height by 300 pixels

Resized using imresize()

Original image 453x604 pixels, reduced to 453x304. Because of the low horizontal gradient in the original image, the content was maintained using the content aware resizing. Artifacts include the bending of cliff in background.
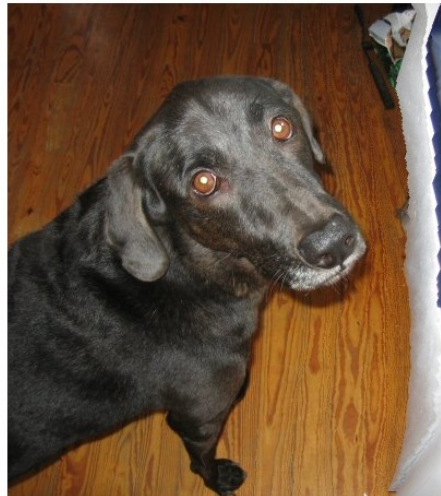
Original image

Resized using imresize()

Reduced width by 200 pixels

Original image 453x604, reduced to 453x404. Because my dog is black, I expected a strong response for the gradient of my dog against the wood floor. The content aware resizing preserved most of my dog's features. However, the edges of the cabinet on the right of the image are jagged.

Original image

Originally 375x500, reduced to 375x300. The image of trees shows no obvious artifacts from content aware resizing. Some branches are thinner, and the trees on the right side of the image are gone.
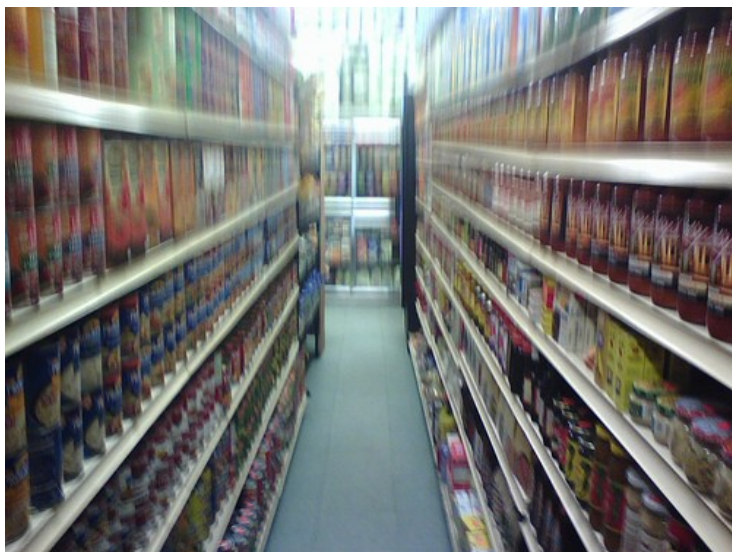
Reduced width by 200 pixels

Resized using imresize()

Original image

Reduced height and width by 200 pixels

Originally 375x500, reduced to 300x425. I tried to gently resize the image of groceries, by only reducing the height and width by 75 pixels each. After just the width reduction, the image looked very distorted because of the groceries at the end of the hallway. The horizontal reduction, produced some segmentation of the shelves in the image.

Resized using imresize()

Original image

Original image 375x500, reduced to 300x300. There are no obvious artifacts from the content aware resizing, other than some slight segmentation of the pier and some distortion of the seals in the right side of the image.

Reduced 75 pixels from height, 200 pixels from width

Resized using imresize()