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After getting our corresponding points, we can use the computed homography matrix to map the points back to each other, verifying the transformation.



The final stitched image using these reference points is shown below. There are artifacts at the edges (such as where the sky meets) since the image warping algorithm does not account for shading differences.





Here is another example with pictures I took myself. Most of the reference points came from the staircase.



While the stitched image does a good job of matching at the stairs and around that area, it does a less impressive job on the ceiling and the balcony wall (at the bottom of the image), since few reference points were set at those points.







The truck image is from a [www.citi-mobile.com](http://www.citi-mobile.com) ad. The Kirby image was found on photoshop.



Below shows the final result after warping the Kirby image onto the truck billboard ad. The points used for reference were the corners of the truck's ad space and the boundary corners of the Kirby image.

