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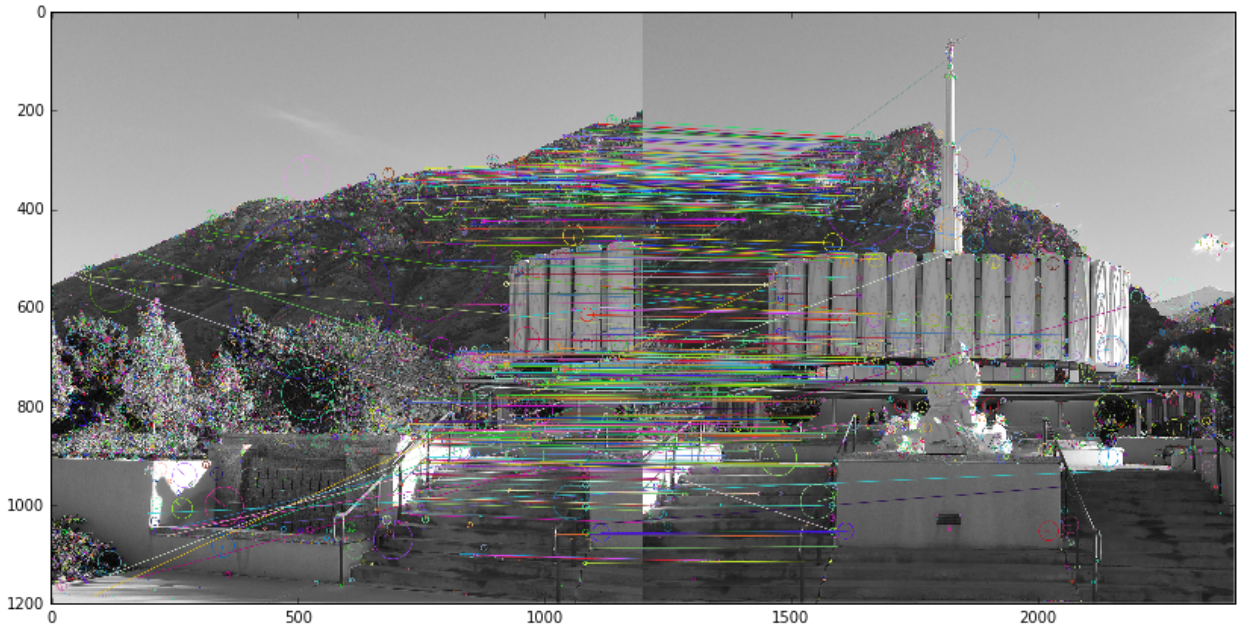
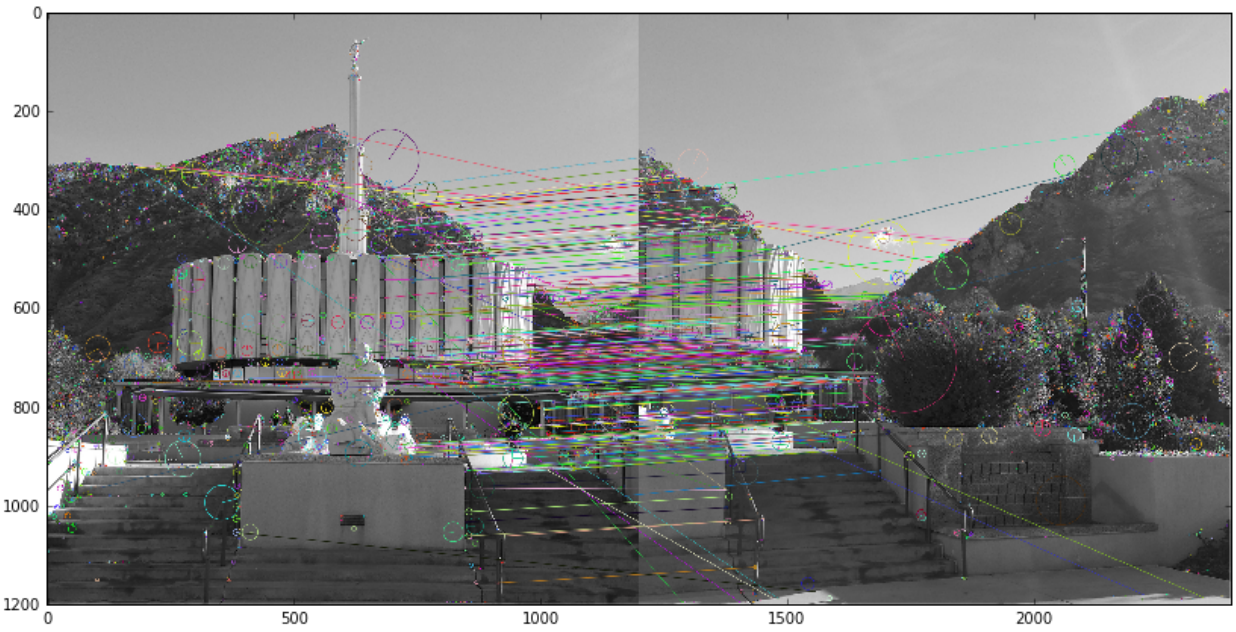
Lab 5 - Image Stitching
CS 450
March 30 2018

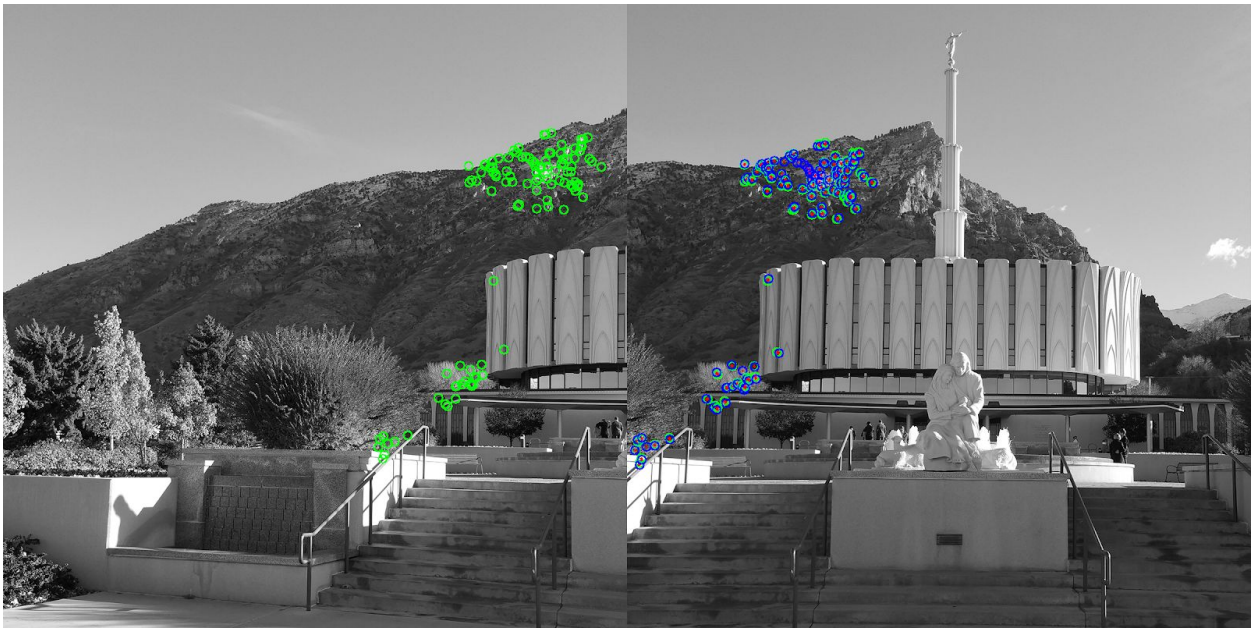
The following images show the features detected with SIFT. We can see their orientation as well as scale.

The following images show the putative matches with a distance less than a certain threshold.





This image shows the points points in the left image in green with their corresponding matches in the right image. The blue represents the original points projected using the estimated homography. The red lines represent the error between the actual and projected points. Only points that belong to the consensus set are shown. That way we can easily see how good a given homography is, by looking at how many points are in the right image. This one looks fairly good.



This lab probably took me around 30 hours to complete. The biggest challenge for me was figuring out the extents of the image. I think I forgot to divide by w on all my homography transformations. I also had trouble getting rid of some artifacts that arose while masking my different images.