

# Project 3A

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## 1 How to Run

You can run this project by executing “python mymosaic.py” from the command line. The script expects that the images being used for the mosaicing are in a directory one level higher than “mymosaic.py” and in a directory called “test\_img”. If you are in the same directory as “mymosaic.py”, then the relative path would be “./test\_img/1L.png”. Place three images in that “test\_img” directory. To do a nearest neighbors calculation, we used the KDTree from scipy.spatial.

## 2 Image Outputs

Figure 1: corner map

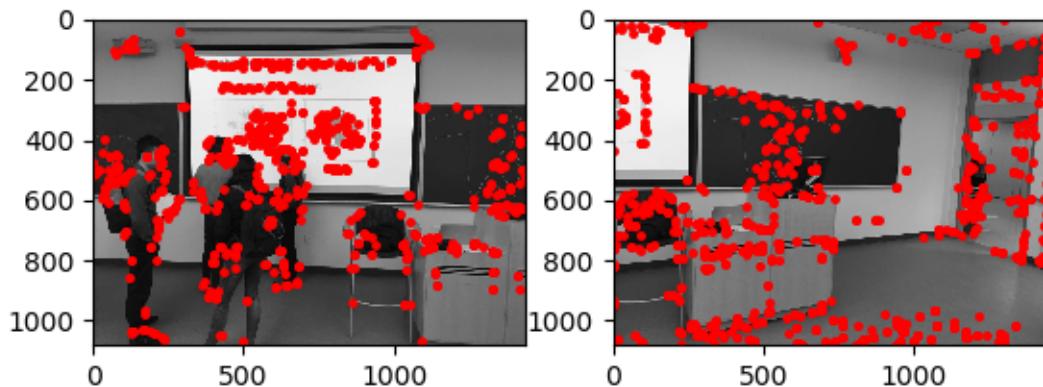


Figure 2: ANMS using the left and middle images

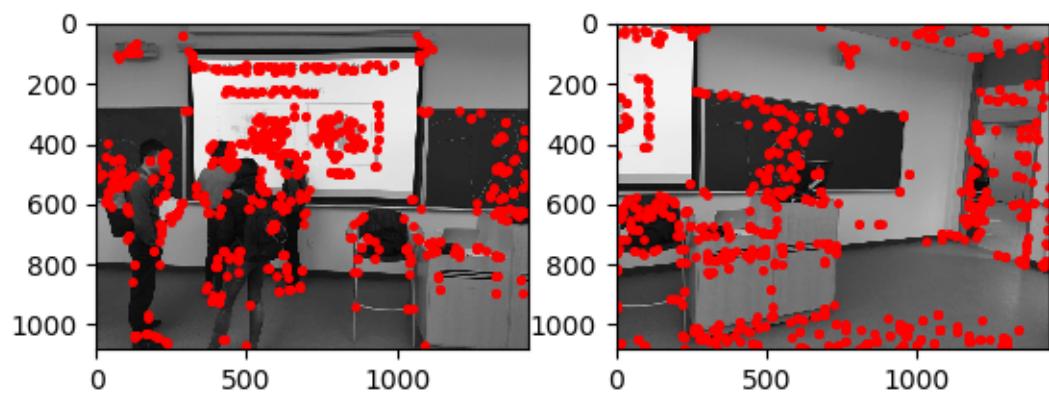


Figure 3: ANMS using the middle and right images

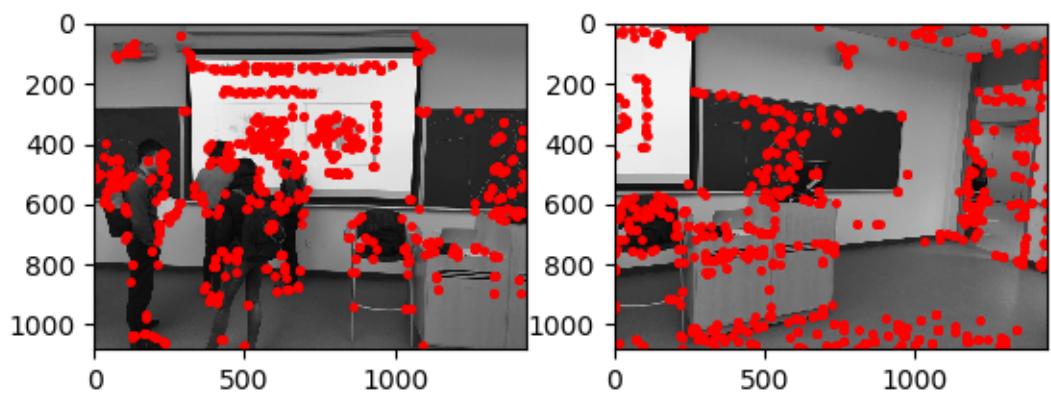


Figure 4: Post-RANSAC points using the left and middle images

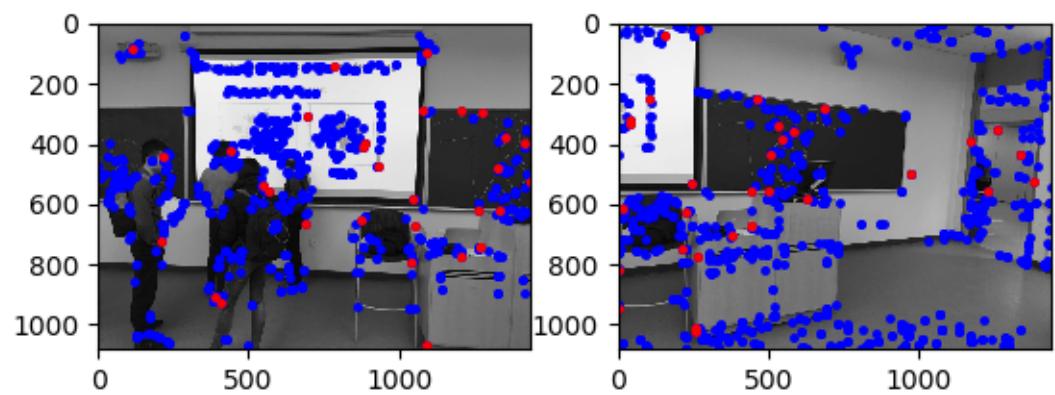


Figure 5: Post-RANSAC points using the middle and right images

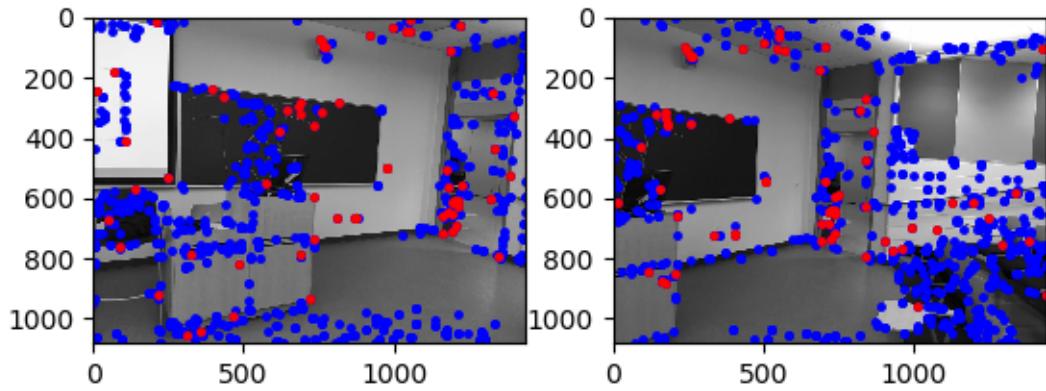


Figure 6: RANSAC lines using the left and middle images

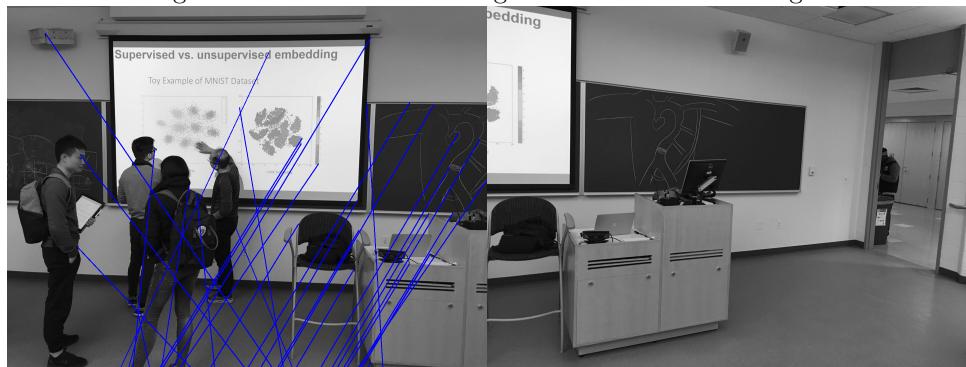


Figure 7: RANSAC lines using the middle and right images



Figure 8: Final panorama

