Part 1

Number of inliers: 25

Average residual for inliers: 12627.442554473877

inlier matches on both images

The code provided wasn’t displaying the points correctly so I removed them and printed them out. I hope that is ok. The first two columns are points on the left image the next two are points on the right.

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[[144.32453918 233.30786133 626.2166748 220.44540405]]

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[[152.2006073 235.10426331 632.11047363 221.97640991]]

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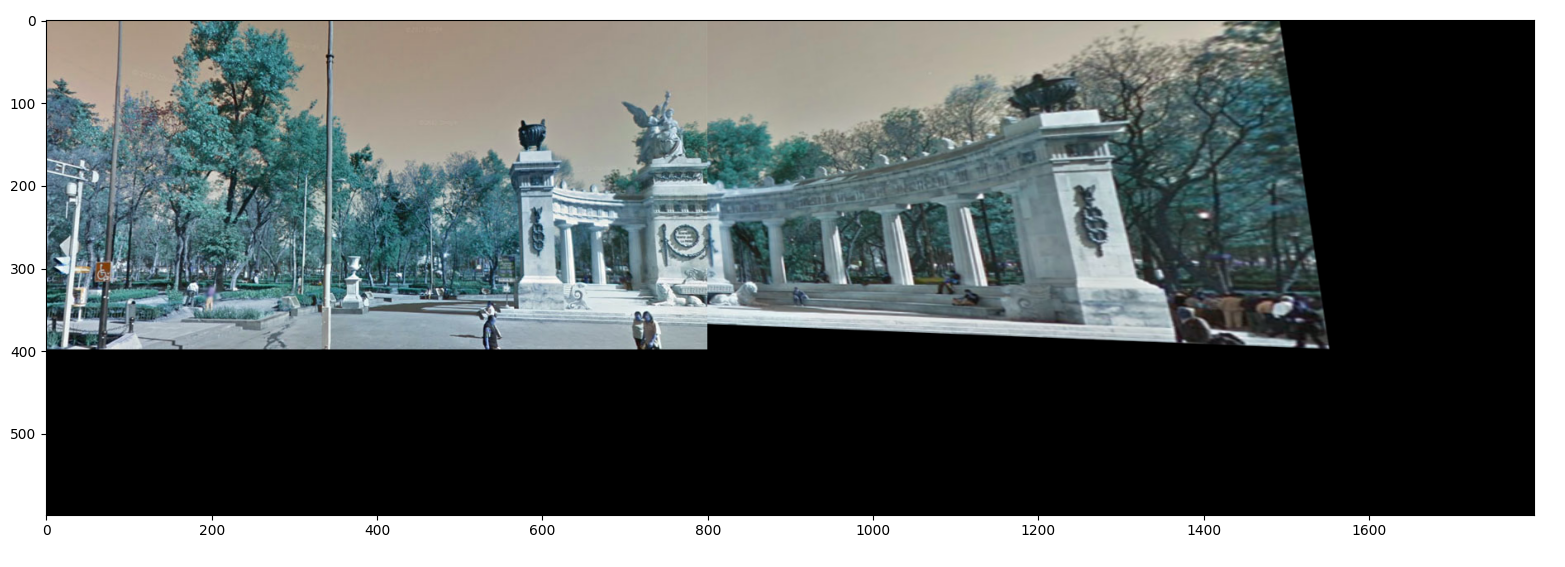
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[[324.2043457 210.62217712 789.14215088 193.01411438]]

Show final composite image



Description of Solution

I implemented the function return\_pairs, make\_correspondence\_list, and homography. Homagraphy has several different functions which I used to come up with the solution. The key method is ransac. The parameters I used were 170 for the distance threshold, and 10 for the homography.ransac threshold.

|  |  |
| --- | --- |
| Distance threshold param | 170 |
| Ransac threshold param | 10.0 |