Title: Panoramic Image Stitching

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Description: Create a panorama that stitches together multiple images that don't all share common points. This would be similar to project 4, except that we would implement code to automatically locate key points and create homographies for them. An extension that we want to pursue if we finish early is to research and implement better blending techniques across images. Our project will heavily rely on OpenCV for algorithm implementations, so programming will mostly consist of stitching together different library functions and referencing the documentation. Like project 4, we will make our program highly user friendly to reproduce and customize results.

Software: N/A

Data: We will collect our own dataset by taking multiple pictures of panoramic scenes that would create good panoramas. These would include areas like a beach front, or houses in a neighborhood.