FriendBlend

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Motivation

A self-portrait photograph ("selfie") is convenient since everyone can be included in the photo. However, the composition of the photo is wanting. For a properly composed photo, the photographer cannot be included. Our project intends to address both of these issues.
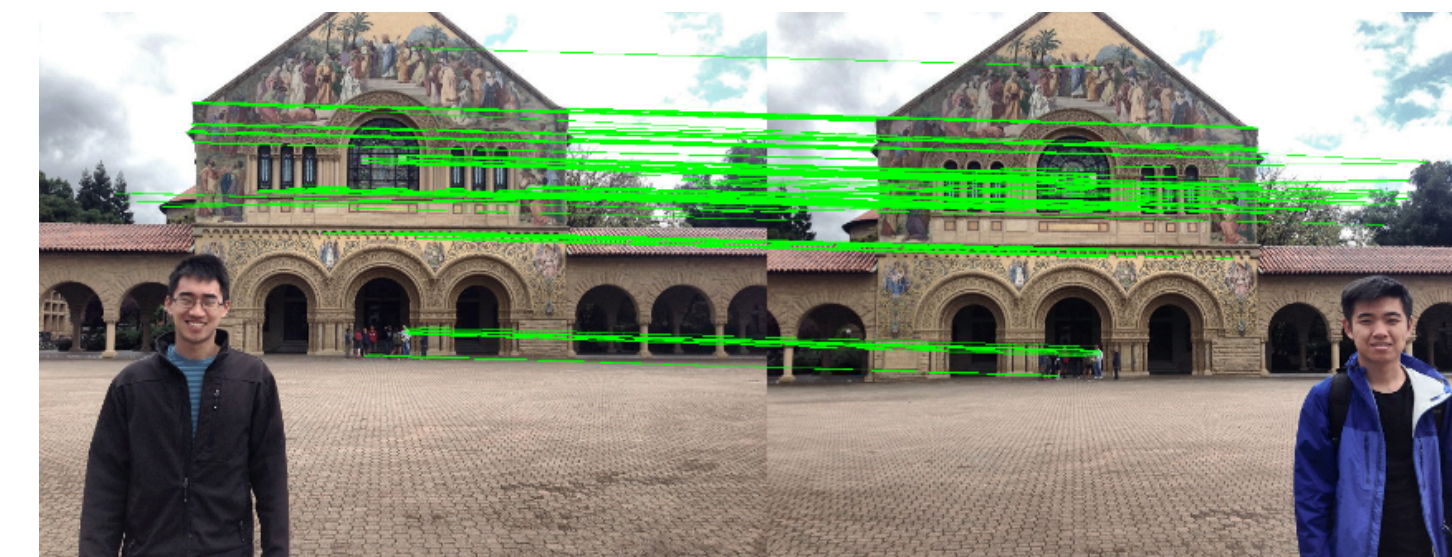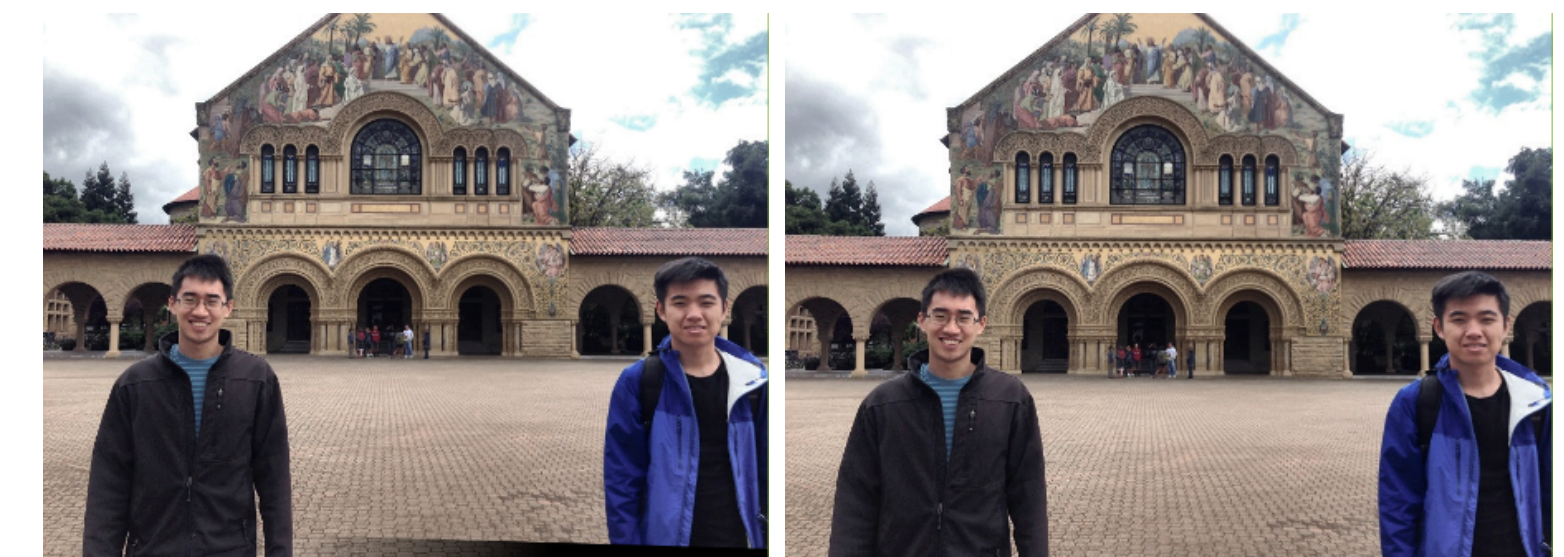

Image Registration and Segmentation

Histogram Equalization

Keypoint Detection & Matching

Alpha Blend and Crop

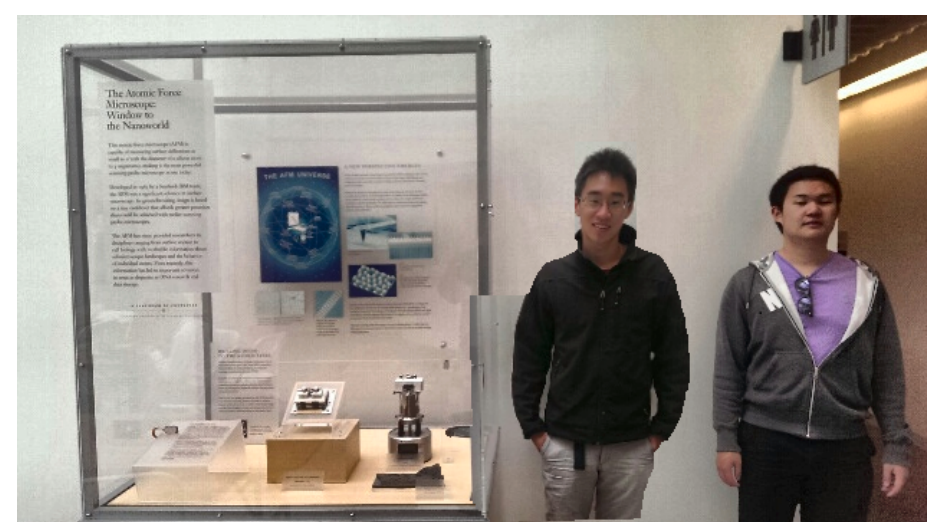**Face and Body Detection**

Homography Estimation

GrabCut and Erosion

Future Work

- Arbitrary image stitching
- Multi-face capability
- More efficient and robust face detection and segmentation

Experimental Results