

CSL 461 Assignment 2 Report:

Objective: To demonstrate the concept of image morphing using Delaunay Triangulation.

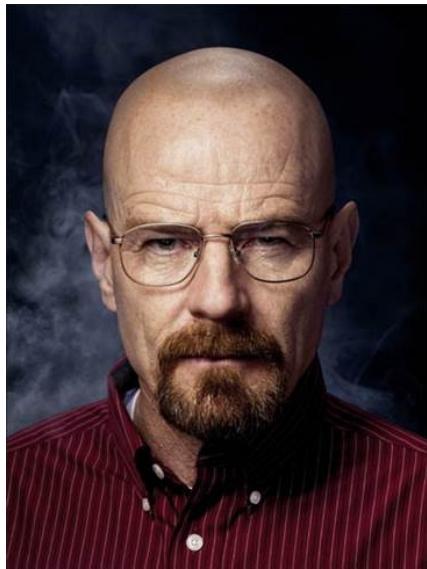
Input: Two images and .txt file that specifies the tie points between these two images

Output: .gif image (exhibiting Image morphing between two images)

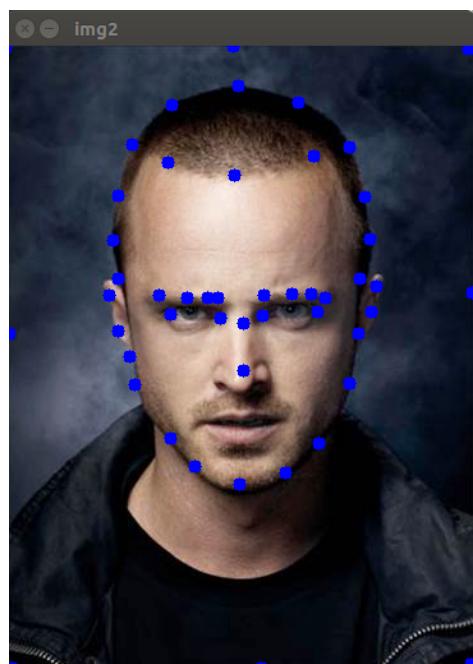
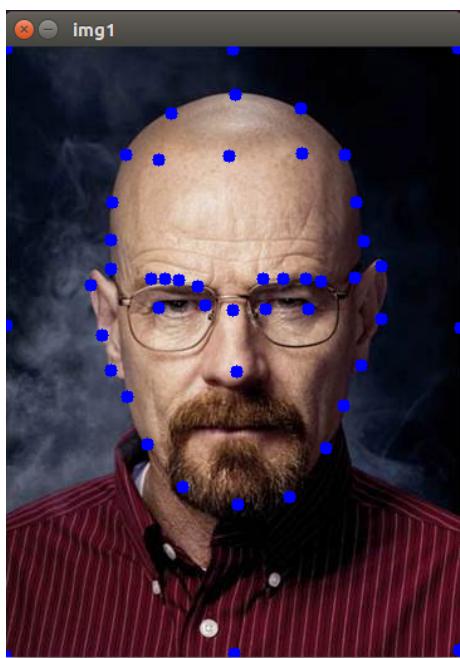
Results:

Case I: Images are of equal size and all corresponding tie points have been marked correctly.

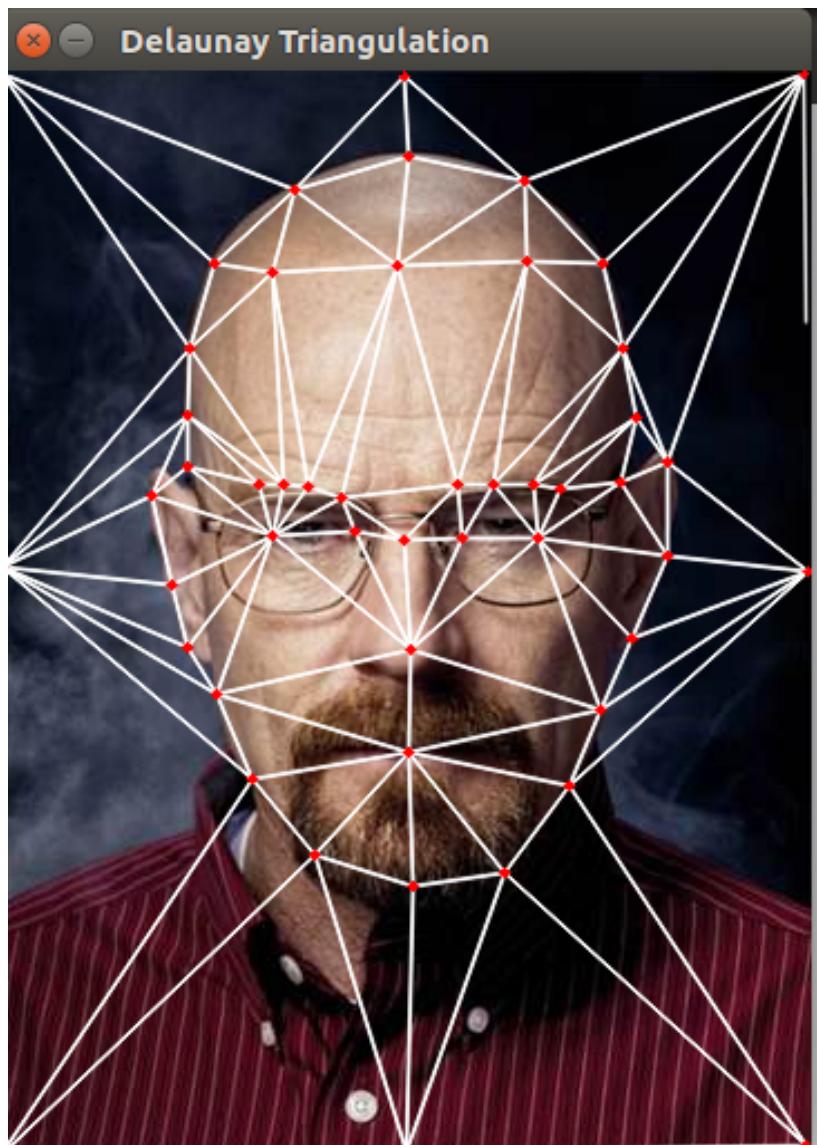
Original Images:

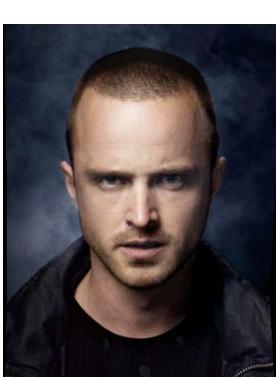
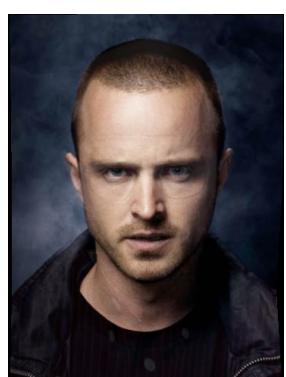
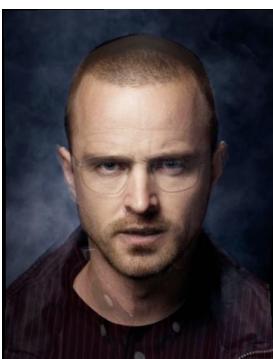
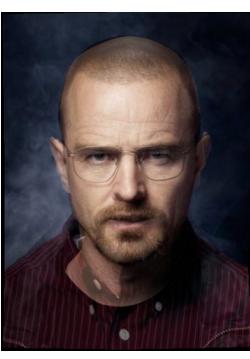
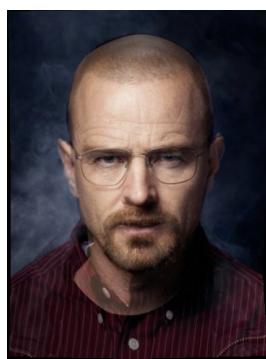
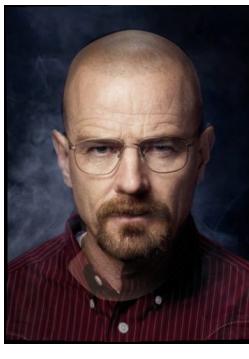
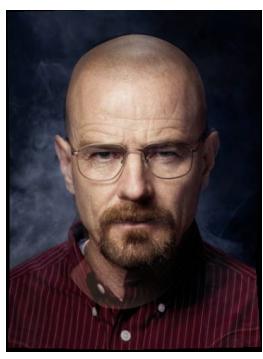
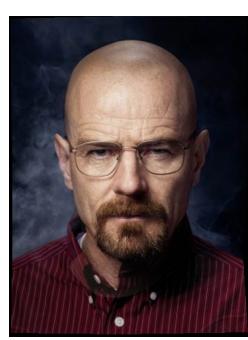
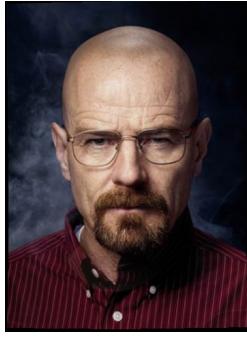
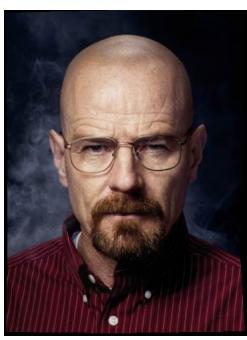


Tie Points:



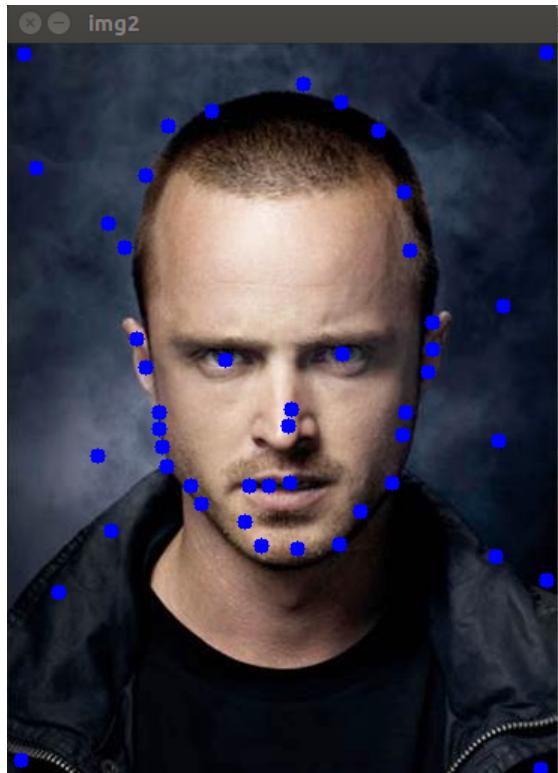
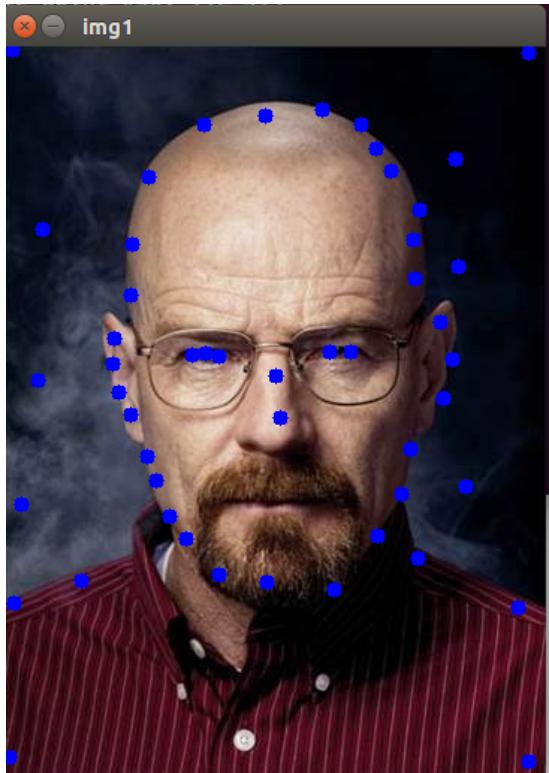
Delaunay Triangulation:

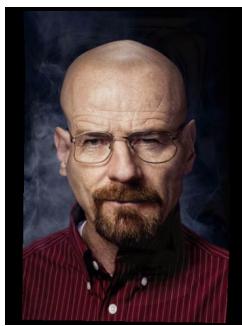




Case II: Images are of equal size and all tie points have been marked randomly.

Tie Points:





Observations:

Tie points must be marked corresponding to facial features to get better results.

References:

- (1) <https://www.learnopencv.com/face-morph-using-opencv-cpp-python/>
- (2) <https://devendrapratapyadav.github.io/FaceMorphing/>
- (3) <http://www.cs.cmu.edu/afs/andrew/scs/cs/15-463/f07/proj3/www/wwedler/>
- (4) <http://andrew.gibiansky.com/blog/image-processing/image-morphing/>
- (5) <https://stackoverflow.com/>