CS4365/5354 – Topics in Soft Computing:
Computer Vision
Spring 2012
Lab 3
Due Monday, March 5, 2012 at 11:59 p.m.

1. Implement the following feature extractors and operations:
   a. Patch matching
   b. Census transform
   c. Haar features
   d. Histograms of gradients
   e. Color histograms

2. Apply your choice of feature(s) from part 1 to perform skin detection in color images.

3. Apply your choice of feature(s) from part 1 to detect people’s eyes in images containing faces.

Write a report describing your methods and results, as stated in the syllabus.