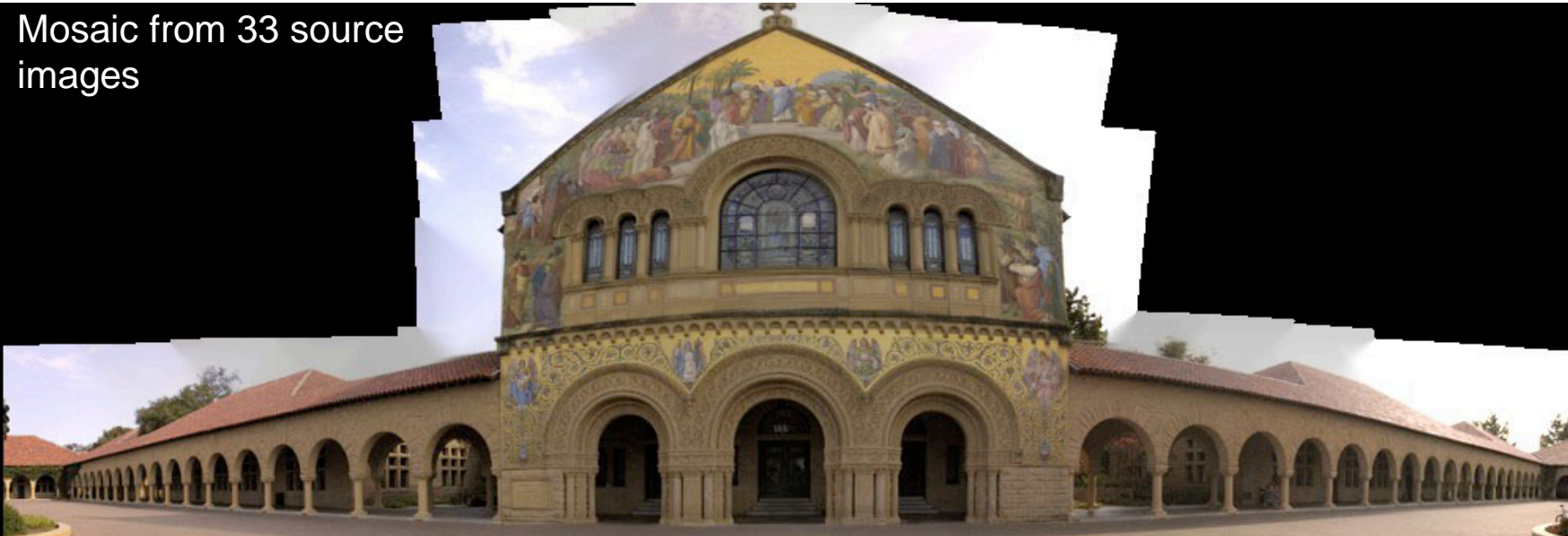


Image Processing Examples

Mosaic from 33 source images



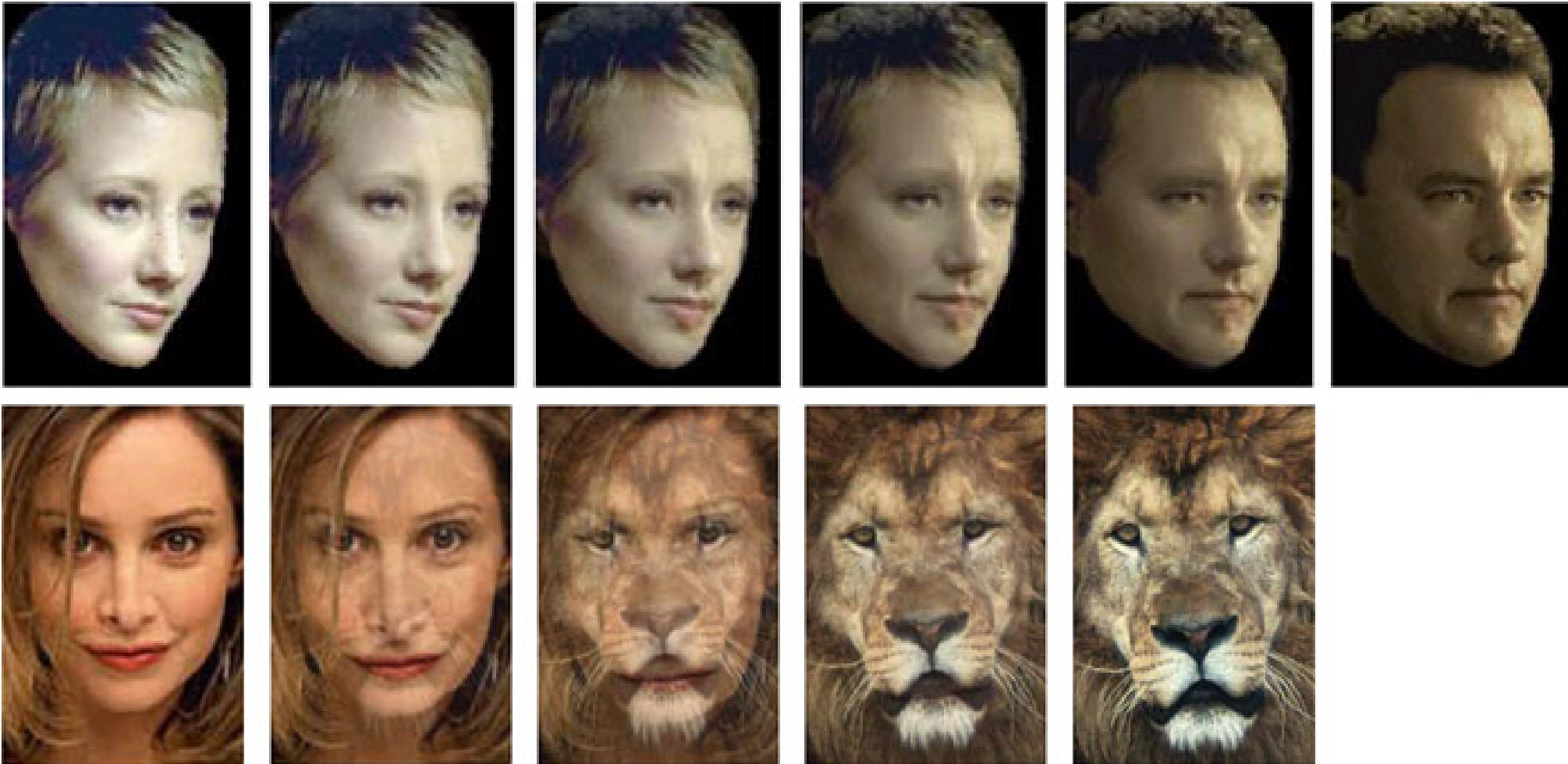
Mosaic from 21 source images



source: M. Borgmann, L. Meunier, EE368 class project, spring 2000.

Image Processing Examples

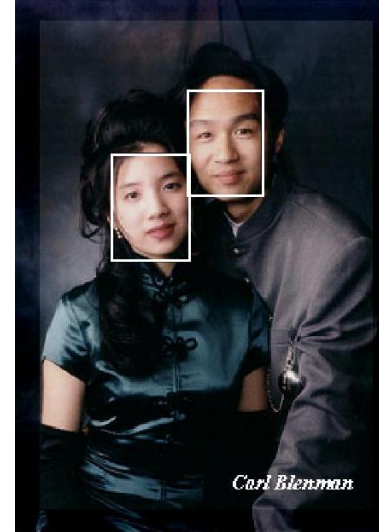
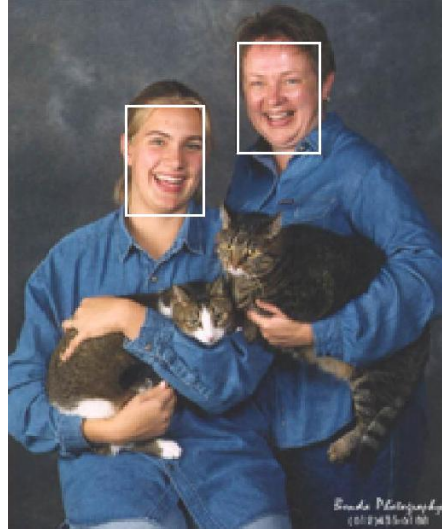
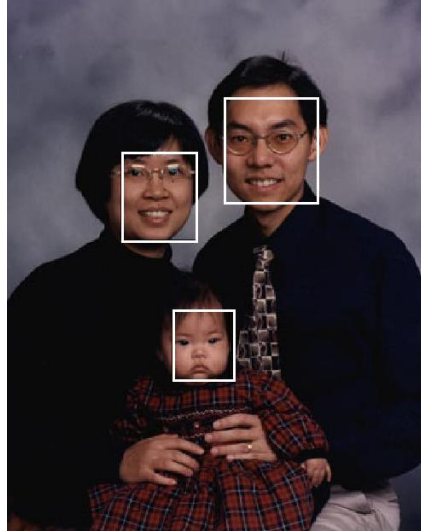
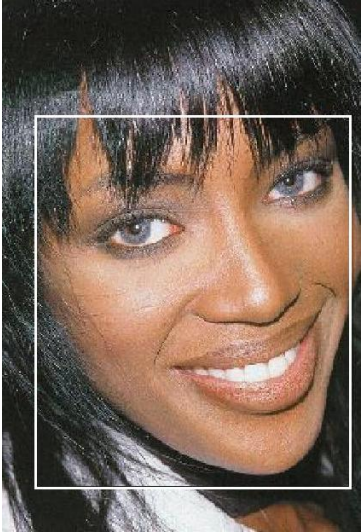
Face morphing



Source: Yi-Wen Liu and Yu-Li Hsueh, EE368 class project, spring 2000.

Image Processing Examples

Face Detection



source: Henry Chang, Ulises Robles, EE368 class project, spring 2000.

Image Processing Examples



source: Michael Bax, Chunlei Liu, and Ping Li, EE368 class project, spring 2003.

Image Processing Examples

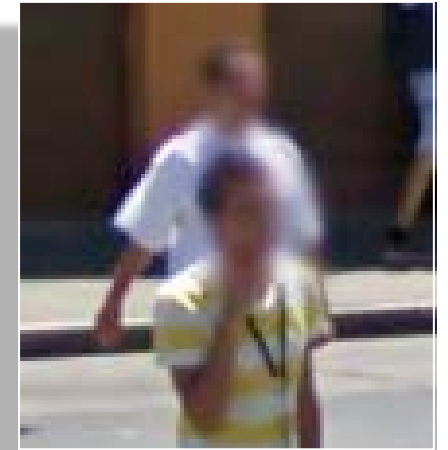
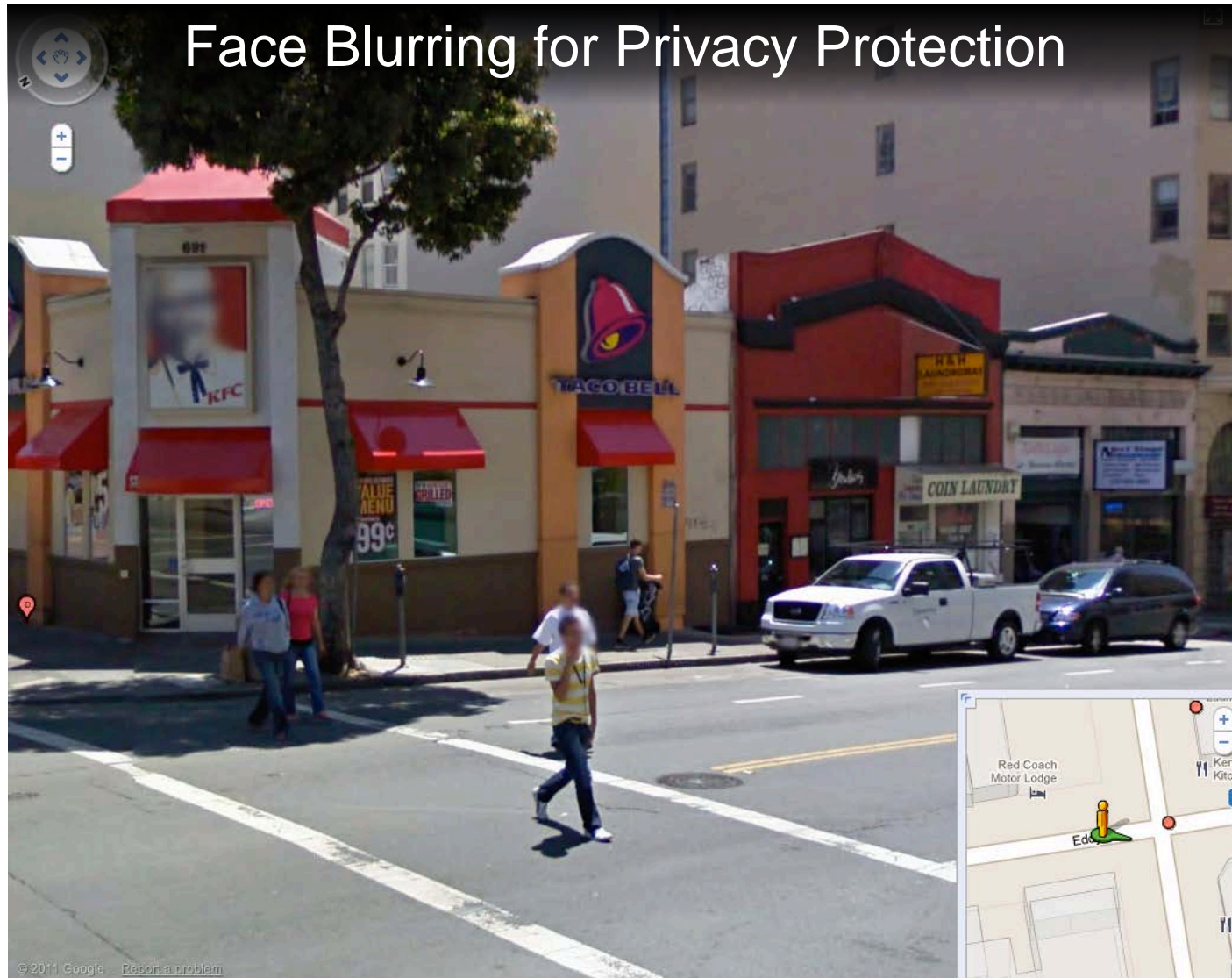
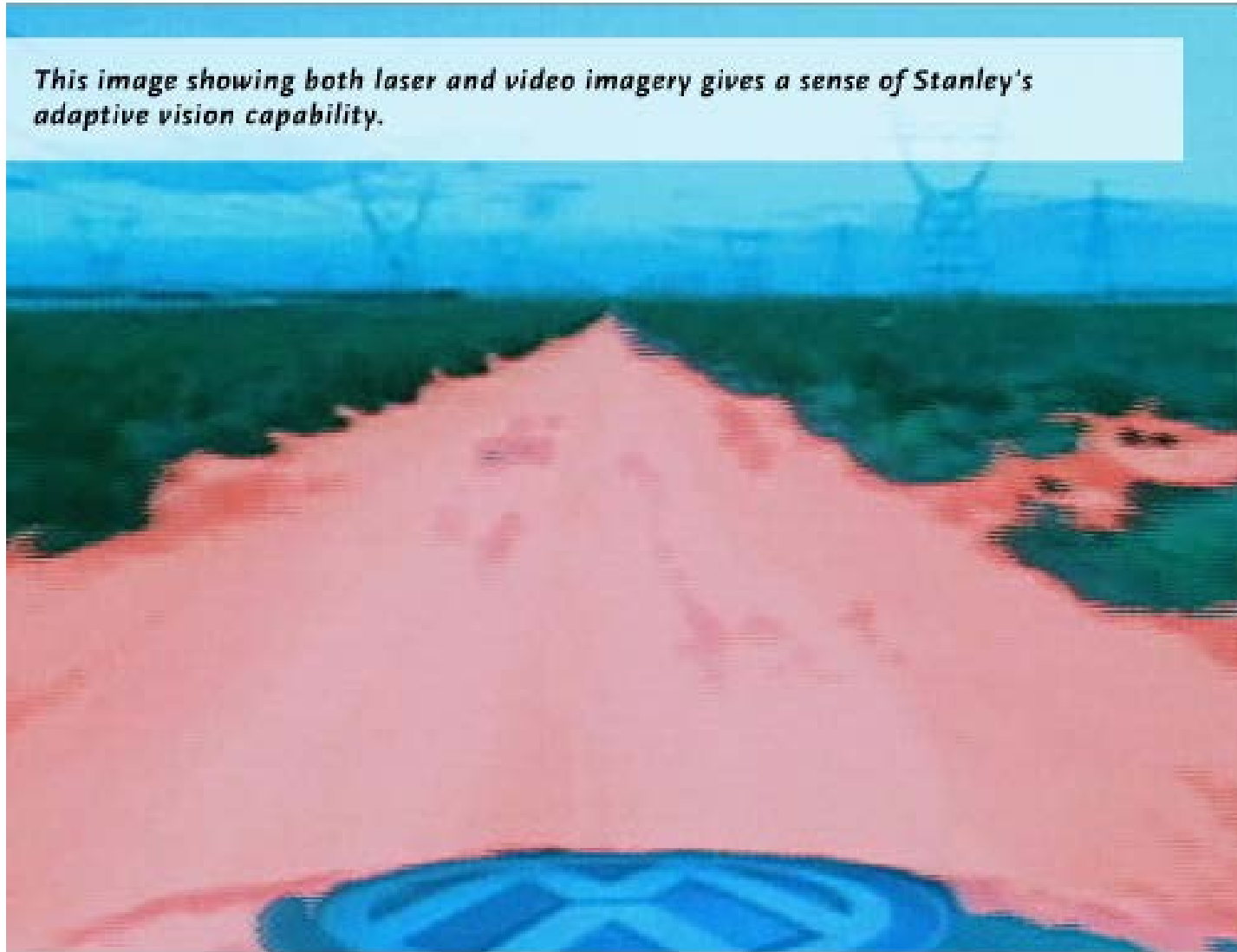
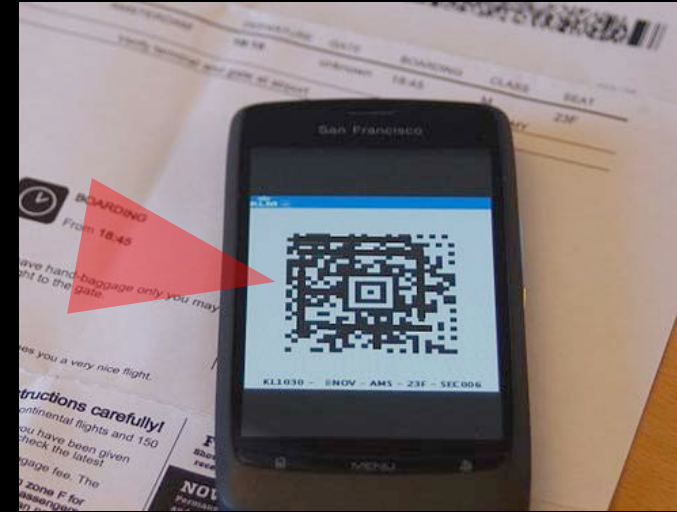
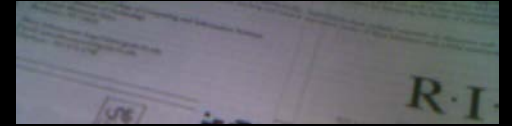
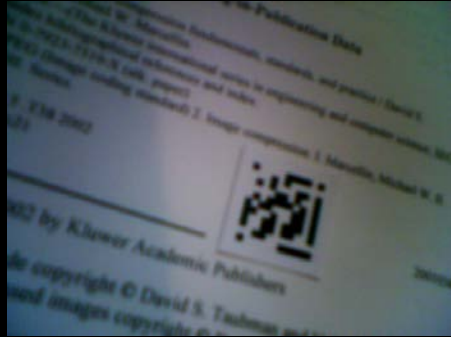


Image Processing Examples



<http://cs.stanford.edu/group/roadrunner/stanley.html>

EE368 Spring 2006 Project: Visual Code Marker Recognition



EE368 Spring 2007 Project: Painting Recognition



1



2



3



4



5



6



7



8



9

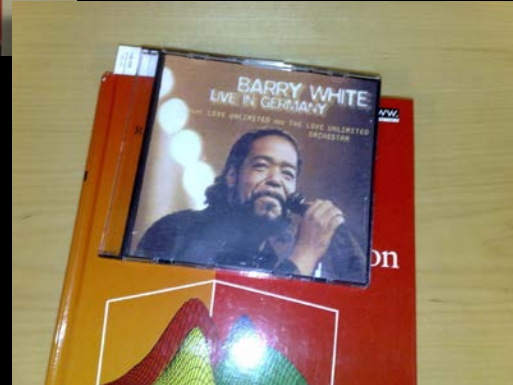
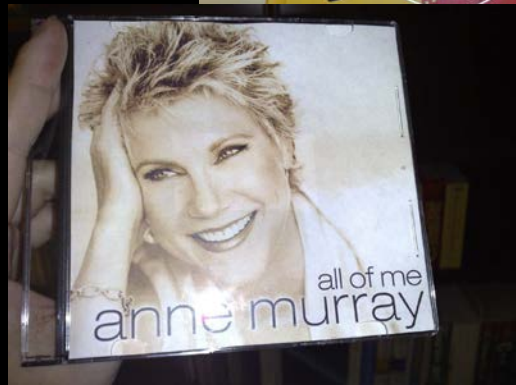
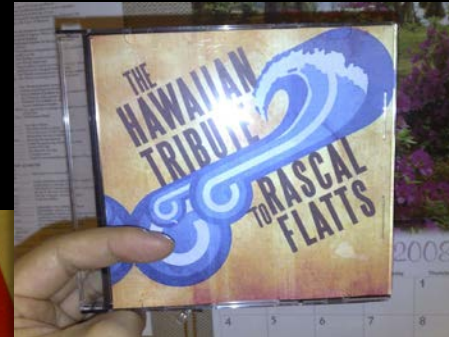
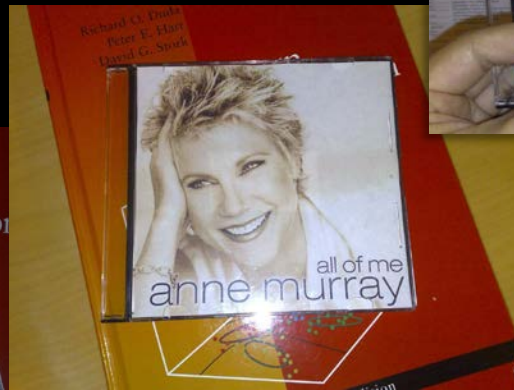
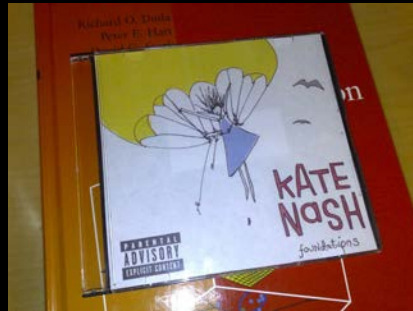
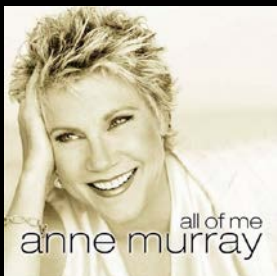
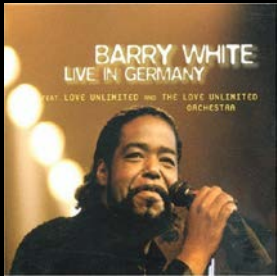
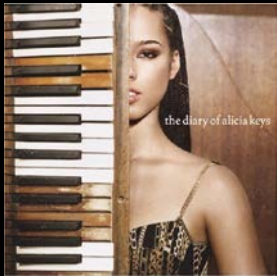


10

EE368 Spring 2007 Project: Painting Recognition



EE368 Spring 2008 Project: CD Cover Recognition



CD Cover Recognition on Cameraphone



EE368/CS232 Topics

- Point operations/combining images/histograms
- Color science
- Image thresholding/segmentation
- Morphological image processing
- Image filtering, deconvolution, template matching
- Edge detection, keypoint detection
- Scale-space image processing
- Image matching, image registration
- Eigenimages

Image Processing and Related Fields

