Week 1

Cody Seibert
Readings

  - Read all chapters (1 through 11)
  - Skimmed chapters 5 and 6
Optical Flow

- Implemented Lucas-Kanade optical flow with pyramids.
  - Used flowToColor.m to show magnitude and direction of flow

Image 1              Image 2               Flow
Sift Descriptor

• Input patch of 18x18 centered at (100, 200)
Canny Edge Detection

- Issues:
  - Crashes Matlab on specific threshold values (assuming it is stack overflow)
Projects of Interest

- Crowd counting by estimation of texture repetition - Imran Saleem
- Visual Saliency Detection - Nasim Souly
- Web-Assisted Object Detection for Outdoor Scenes - Amir R. Zamir