CS 585: Image and Video Computing

Lab 2

This lab will introduce you to some ideas that will help you segment and detect objects in an image (or a stream of images) and compute interesting properties of the segmented objects. Part II will help you understanding and applying morphological operations on images, and finding and labelling connected components on an image.

These concepts will be helpful for you while completing Assignment 2.

Learning Objectives

1. Finding objects in an image
2. Filtering objects based on size
3. Obtaining information about the objects described by their contours
4. Visualizing object contours and their bounding boxes
5. Understanding and applying basic morphological operations on images
6. Finding and labeling blobs in a binary image