

Computer Vision I  
CSE 252A, Fall 2013  
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## Assignment #0

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### 1 Piazza

Enroll in CSE 252A on Piazza. You'll be able to ask the professor, the TA and your classmates questions on Piazza. You can register using a ucsd.edu email account at <http://piazza.com/ucsd/fall2013/cse252a>. Class announcements will be made using Piazza, so be sure to check your email or Piazza frequently. The rest of this problem is contained in a Piazza post. Once you have logged in, please follow the instructions included in the post 'Welcome to CSE252A' to complete this problem.

### 2 Matlab Tutorial

Work through the Matlab tutorial code snippets. The tutorial is set up so you can cut and paste the commands into Matlab as you go. To get credit for this problem, make a printout of the tutorial and check off each section number once you have completed it. (You do not need to turn in any output from your commands; just print out the four pages of the tutorial.) You can also make comments next to any portion that caused you trouble, or to make suggestions that would be useful for future revisions of the tutorial.

### 3 Image Manipulation

On the course website, you will find 4 sets images ('border1.jpeg' & 'center1.jpg', 'border2.jpeg' & 'center2.jpg', 'border1.png' & 'center1.png', and 'border2.png' & 'center2.png'). The border images have had their center removed, and centers represent the respective removed portions. Write a matlab function that loads two images (border and center) and reconstructs the original image from them, then displays them. Do not use any for or while loops, or any hard coded sizes or borders and you should use the same function to reconstruct both images. Turn in a printout of your all matlab code and the output images (4 images total). [5pts]

### What to Turn In

Print out this page, staple it to the front of the pages from problems 1, 2 and 3, and write your name, student ID, and email in the space provided at the top right of this page.