

CPS296.1- Homework 4

Due on April 15, 2003

This homework assignment does not require you to hand in anything, and will not be graded. However, it will help you to prepare for the two classes on April 15 and April 17, in which you will have an opportunity to show to the class what you learned with your project, and to discuss your peers' projects.

- (a) If you know that you will have to skip either of the two classes above, please send me email immediately. You are expected to attend at least one of the two classes, but preferably both.
- (b) Prepare a brief presentation of your work, around ten minutes. You may use your report for your presentation, and you need not prepare additional presentation materials. You will use the web browser on the PC in class to project your report onto the screen. In your presentation, state at least what you did, why, who else has done similar work, what experiments you ran, what you inferred from them, and what work you would do if you had more time. If you developed or used algorithms, explain these clearly. State your assumptions, and describe your experimental setup in detail. In brief, convince us that you picked a fun or interesting problem, and that you learned something in the process of working on your project. Some of these projects are more risky than other. The point here is not "Did my experiments succeed?" but "Did I learn something?" Negative lessons are as useful as positive ones.
- (c) It is your responsibility to make sure that all your links work, and that images you use are visible on the display. I recommend testing everything ahead of time from the PC in D244. To turn on the projector, press the on/off switch next to the display once, and wait for the projector to warm up. When done, press the switch twice to turn the projector off. Please rehearse your presentation.
- (d) By the end of April 11, I will post (links to) your project reports on the class web page. Look at all your peers' pages, and prepare a few questions to ask in class, or comments to make, about each. Be constructive: I would like to see evidence that you understand the issues involved, not how many flaws you can find in each other's work. We will not rank projects, or declare "winners," but merely engage in some constructive discussion about interesting technical issues. Useful comments are for instance remarks of the form "It occurred to me that your work could be extended by doing x. Do you think this will work?" Or "What would happen if we applied your technique to y?" In all cases, you should have some idea for a reasonable answer yourself. Questions for clarification are always welcome.

These presentations and their discussion are part of the learning process, not an additional way to evaluate you, and I will not "grade" everything you say or fail to say. Of course, I cannot help but refine my opinion of your understanding of computer vision during the discussion, but I realize that we will be all thinking in real time, so saying something silly is not going to cost you. I will not force people to talk, but I expect everyone to participate in the discussion.

In brief, try to prepare ahead of time, but then relax and enjoy the discussion.