Details for Final Projects

Expectations

For undergraduates (3 credit), it is sufficient to implement a paper of your choice, or to make some larger extensions to one of the projects from class. I expect the project to take about 20 hours total, including the time spent coming up with a topic and understanding the material. Of course, the project may take more time or less, depending on your ambitions.

For graduates (4 credit), I expect a little more. For example, you could apply ideas from class to your own research. You could compare two different approaches. You could try out your own extensions to a paper or a project from class.

Project Ideas

I encourage you to try something that you are particularly interested in. For example, we didn't get to do a project on 3D reconstruction, so that might be fun. Or you could do a project on seam carving, or make a program that takes a folder of photos as input and outputs a set or panoramas (automatically figuring out which to stitch). Or you could make your own image-editing program, allowing someone to easily cut out regions and fill in the background. The possibilities are endless – don't limit yourself to these ideas. I don't want everyone to do the same thing, so I might group people together with similar proposals or ask that you do something else. Whatever you do, give yourself plenty of time. *If you want to incorporate code or resources from outside, that might be OK, but let me know first. Do not copy outside code as a last resort to getting your project turned in on time.*

Deadlines

Dec 3: Choose your topic and send me a short summary (~50 words). If working in a group (no more than 3), tell me who the group members are and what your individual contributions will be.

Dec 17, 11:59pm: write-up

- Store at url at right or include a link from there: http://web.engr.illinois.edu/~netid/cs498dwh/final/
- Can be in html or pdf
- Similar to other projects, but with more detail on how to do it

Dec 18, 8am-11am: class presentations (in the regular room, SC1214)

- Can be informal, but do practice ahead of time
- Should take 5 minutes, plus possible one or two minutes for questions
- Include a basic summary of how to do it, any challenges or difficulties, and some successes and failures

Grading

- Topic proposal: 10 pts if on-time and complete
- Implementation, generation of results: up to 70
    - An easy project may be worth 60; a moderate difficulty (on par with projects 3-5) would be worth 65; a difficult project (e.g., implement image analogies) is worth 70
    - You could get up to 40 (of 70) for partial success (no final results working), or up to 60 if you come to me for help and work hard but still don't get final results
- Project web page: 10
    - Based on clarity and completeness and extent of results
- Class presentation: 10
    - Based on clarity