

CMPSC 580
Topics and Research Methods in Computer Science
Spring 2015

Assignment 21
Presentation Workshop, Parts 1 and 2
Slides due Friday, 27 March
Thesis Idea Lightning Talk (Student Idea), 24-27 March

Using the same “Discuss, develop, review” process as you used all of last week, work with a new partner to complete a five-minute slide presentation that describes a great senior thesis idea.

Please remember the following key points as you create your presentation:

- The presentation does not have to be related to the theme of the module or your module proposal; but, it should furnish an intuitive and compelling introduction to a research idea.
- Use \LaTeX and Beamer to create your slides. Choose a pleasing Beamer theme or create your own by following an online tutorial—don’t just use the “plain” style.
- Be sure to have a title slide, a table of contents, and a concluding slide that mentions any major references you have used. Also, please include a figure in your presentation slides.

On Friday, hand in a printed copy of your slides. If you have overlays, be sure to change the file to read: “`\documentclass[handout]{beamer}`”, thus ensuring that you save paper.

Also upload your slides to your shared Bitbucket repository in a folder for “assignment21”. If possible, we plan to post these slides on the course Web site for everyone to view.

Comments about Figures

The class will begin with a short discussion of options for creating figures. Your best long-term option is to learn how to use TikZ/PGF, drawing commands for \LaTeX that produce very high-quality figures (see <http://www.texample.net/tikz/> for details and links and <http://www.texample.net/tikz/examples/> for some inspiration). Since you have been introduced to diagram programming in \LaTeX in a previous module, for this presentation, you are required to include a diagram and you must use TikZ to program it; please see the course instructor if you have questions.

Adding Content: Examples and Figures

With your editing partner, try to come up with a simple example or simple figure to illustrate the problem you are solving. All components of the example should be explained clearly in your text. (This will probably help you with your final proposal as well as your presentation.)

Remember, figures don’t need to be diagrams—they can be tables or algorithms. Try to avoid using images taken from papers you have read, unless you have requested permission from the authors to use them or unless there is a clear indication—Creative Commons language or something similar—that the figure in question may be used. Regardless, *always* cite a reference for an image taken from an external source. Now complete your presentation slides and be ready to give your lightning talk on Friday! Please see the course instructor if you have questions on this assignment.