CSCI 259/390
Class Project

Project Due:
Projects will be due and presented to the class Monday Nov. 14 and Wednesday Nov. 16. This project is required for CSCI 390 students only. CSCI 259 students may do for extra credit, but quality work is expected.

Work to Do:
1. For this project, you are to give a 30-minute presentation to the class.
2. The purpose of this project is for you to become familiar with a topic that is outside of the scope for the entire class.
3. These are the deliverables for the project:
   a. Simple example code to handout to the class
   b. Either a powerpoint presentation or you may use the whiteboard
   c. You may also demo your code if you would like

Potential Topics:
- Sockets and TCP/IP
- Template Classes
- stringstream / enumeration / structs / macros (#define)
- GUIs / Graphics Packages
- Threads (pthread) / Mutexes
- Time (both wall time and system clock) / Signal Handling (SIGINT, SIGKILL, etc.) / Makefiles
- Security / md5 / Hashing
- Freely available packages / FFTs (fftw3 package)
- Algorithm implementation (various sorting algorithms, various searching algorithms, etc.)
- Cluster computing using MPI
- Any other topic you are interested in, but clear with the instructor first

Submission:
1. Send your code (all .cpp and .h files) and any other files created as an attachment to chhumph1@olemiss.edu
2. Subject of email should be: Lastname – Class Project