Project: Building a usable graphical front-end to Rsync
Supervisor: Ben Hall

From the rsync website: "rsync is an open source utility that provides fast incremental file transfer."

Rsync is typically installed on Linux and Unix systems and is available for Mac OSX and Windows. At this point, rsync is almost always used as a command-line program. Several GUIs exists, however, none of the existing Windows GUIs work adequately over ssh to remote machines.

Example GUIs include:
Mac: arRscync, RsyncX, PsyncX
Linux: Grsync, Qsync
Windows: NasBackup, Delta Copy

This project would involve learning the intricacies of rsync, evaluating the existing GUI options and then developing or improving a Windows-compatible GUI front-end for required options. Cross-platform development would be preferred, so Java as a choice of a language may be a good option.

This project must be Open Source for future development after the project has finished. The specific choice of Open Source license is left to the student pending approval from the supervisor.

Helpful Links:
http://www.setara.org/
http://archive.macosxlabs.org/rsyncx/intro.html
http://hanez.org/zynk.html
http://transamrit.net/projects/qsync/
http://www.opbyte.it/grsync/
http://arrsync.sourceforge.net
/http://www.aboutmyip.com/AboutMyXApp/DeltaCopy.jsp