

Lab 1.2.5: Setting Up GitHub

**Summary:** This lab sets up the student’s computer for file sharing via GitHub.

**Purpose:** To establish a GitHub repo and develop basic skills for collaborating and maintaining projects.

**Instructions:**

**Refer to the class slides for details…**

1. Compute the scalar product of two vectors. Navigate browser to course repo.
2. Fork the repo to your GitHub account.
3. Clone the repo to a local folder.
4. Sync fetch repos (Purpose: To make sure status of local Git agrees with online repo).
5. Explore repo contents.
6. Optional: create a satellite folder containing working copies of the repo contents (Purpose: To ensure work does not get overwritten by an accidental fetch.)
7. Create a new file in one of the local course repo subfolders (or edit this file document).
8. Enter comments and Commit the changes.
9. Sync (generate a push from local repo to online repo).
10. Confirm that the new/changed file is in the online repo.
11. Edit the readme.md file in the online repo.
12. Sync (generate a fetch from online repo to local repo).
13. Confirm that the changes are in the local repo.