

Lecture 03: Using Git

BME464L (Fall 2013, Palmeri)

- Business Items
 - Review of LabArchives
 - Widgets
 - Signing pages
 - Review on Monday evenings
 - Review of Semester Schedule
 - Expectations in Presentations
 - Copy slides to ELN
- Using Git
 - Lots of good online resources to learn git:
 - <http://git-scm.com/book>
 - <http://help.github.com>
 - A Visual Git Reference: <http://marklodato.github.io/visual-git-guide/index-en.html>
 - git - the simple guide: <http://rogerdudler.github.io/git-guide/>
 - Atlassian
 - Git Basics: <https://www.atlassian.com/git/tutorial/git-basics>
 - Git Workflows: <https://www.atlassian.com/git/workflows>
 - Duke-Medical-Instrumentation groups setup on GitHub, all with distributed management
 - Setting up username & email address
 - Login credentials (push access): HTTPS vs. SSH Public Keys
 - Sharing repository: clone / push / pull
 - Workflow: local -- add --> stage -- commit --> committed -- push --> origin
 - Local branches / merges
 - Post-commit hooks
 - Issues
 - Setting up wiki and [GitHub Pages](#)
- Due next lecture: Software License
 - Choose a software license for your GitHub repository. Push an appropriate LICENSE file to your repository, and follow the necessary guidelines in putting header comments in your code moving forward.
 - Upload a one-page writeup (submitted as a group) to your ELN justifying the choice of your software license in the context of other common licenses.
 - A good starting point: <http://choosealicense.com/>
- Next Lecture: Introduction to the Microcontroller (Arduino)