

# 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](#)
- Next Lecture: Introduction to the Microcontroller (Arduino)