

# tech resources - git

*Tech resources related to code sharing, version control, and deployment. This includes git, Github, etc.*

## Git

*Git is “a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.”*

Note: We'll use git to share code as a team in a distributed environment.

[www.git-scm.com/](http://www.git-scm.com/) - Git home page (scm= source control management), there are some potentially interesting links here:

- [try.github.io](http://try.github.io) - “Try Git”, an online tutorial
- [www.git-scm.com/book/en/v2](http://www.git-scm.com/book/en/v2) - “Pro Git”, an online book, and on Amazon: [www.amzn.com/B00QFIA5OC](http://www.amzn.com/B00QFIA5OC)
- <http://git-scm.com/doc/ext> - a significant list of external tutorial and book links

[www.rypress.com/tutorials/git/index](http://www.rypress.com/tutorials/git/index) - “Ry’s Git Tutorial” online book and tutorial

[git-scm.com/videos](http://git-scm.com/videos) - videos recommended by my Ruby installer. These 4 videos are introductory and by a Github guy. I didn't think they were all that great, but probably worth the 15-20 minutes they cost.

### Why did we do this? What is Git?

Git is version control software. You will use Git to track and manage your coding history as well as get into the programming community as a whole.

To put it another way, Git will allow you to make revisions of your work as well as others... this way you can feel assured that if you make an awful mistake to fix or have a solution for someone else, Git will be the best way to do it!

More information and resources on Git here: [Here](#)

## Github

*Github is a company: [www.github.com](http://www.github.com). Their product offers “Powerful collaboration, code review, and code management for open source and private projects.”*

Note: We'll use github to host our git repositories (which hold our project source files) and maybe for its wikis and other things.

Github, Inc. resources:

- ❖ [education.github.com/](http://education.github.com/) - Github education page, I need to contact Github to get an Education setup/account, whatever that means
- ❖ [guides.github.com/](http://guides.github.com/) - here's a dozen short introductory PDF's, this includes a “Hello world” project example using Github
- ❖ [training.github.com](http://training.github.com) - Github training page
- ❖ [help.github.com/categories/wiki/](http://help.github.com/categories/wiki/) and [guides.github.com/features/wikis/](http://guides.github.com/features/wikis/) - wikis on Github; I fancy using our Github wiki for distributing more tech info, we'll see

[youtu.be/1h9\\_cB9mPT8](https://youtu.be/1h9_cB9mPT8) - **GitHub for Noobs** video series by DevTips.

These videos are by Travis of DevTips. Two advantages here: 1) they're new (Feb 2016), and 2) Travis is pretty entertaining and the videos are produced, not just a screen with a guy talking over it.

The 4 videos are: 1) A short history, 2) Common workflows, 3) ???, 4) ???.

Keywords: git, GitHub, repo, commit, branch, pull, push, merge, workflow, fork (new repo),

“This is the magic of GitHub. Scale.”