



GITHUB 101

CHRIS SIMS

WHAT IS
GITHUB?

GITHUB
BASICS

GETTING
STARTED

GITHUB 101

SOCIAL GIT

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OUTLINE

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GitHub is a web application designed around sharing code using `git`. It offers a few things that are pretty handy for software developers:

- Largest code host on the planet
- Free hosting for any open-source project (public repository)
- Makes contributing to other projects fairly painless
- Includes basic bug tracker and wiki for free
- Native apps for OSX, Windows, iOS, and Android
- Deals for students and student organizations



HOW DOES IT WORK WITH GIT?

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- Acts as a remote repository
- Gives anyone with an account pull access to public repositories
- Allows you to give fine-grained access to your repositories
- Offers a web interface to your repository with some additional functionality:
 - Pull Requests - propose a change to an existing repository
 - Social aspects - follow other repositories and developers
 - Communicate about anything: a pull request, an issue, a line of code in a commit



CREATE AN ACCOUNT

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You'll need an account for the practical portion, so if you don't already have a GitHub account, follow along:

- Head to www.github.com
- Click 'Sign up for free'
- Choose a username, and use your URI email address if you want to get a free student account (gives 5 free private repositories)
- (Optional) Head to www.github.com/edu to request your free student account
- Remember your username and password! You'll need it for the practical portion



PRACTICAL

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We're going to go through a short practical which will walk you through many of the commands and concepts that you've just learned. Head to:

`http://try.github.com`

and start the walkthrough. We'll be available to answer any questions you have. Look for the Advice box in the lower right for more information about git