

# OPEN SOURCE 101

What is open source?

Wednesday, April 22, 2015

\$free

## Contributing isn't just about code!

There is plenty of work to be done



### Open Source Helps Everyone



### The Two Freedoms And other need-to-knows



"Free software is a matter of liberty, not price. To understand the concept, you should think of 'free' as in 'free speech,' not as in 'free beer.'"

Licenses tell you how you can use the project.

Contributors: Some repositories have three guides that tell you how the maintainers want you to help (that's what a pull request).

Code of conduct: Many projects, including those for Code for America, subscribe to a published code of conduct.

## Git in a minute

Version control is how we collaborate with each other. It allows us to work on the same project, at the same time.

git version control system  
(on your computer, browser, desktop, mobile, etc.)  
uses git (on the web, need internet connection to use)  
makes it easy to manage code on GitHub  
fork on GitHub, copy & repaste  
changes from your fork, or the original project  
pull: get changes from your rep, or the original project  
push: give changes to your rep, or the original project  
pull request: you make changes to your rep, then replace the old file on GitHub  
pull request: you send these changes from your GitHub repo to the original owner of the project



Command Line

### Resources Finding projects and people



“ Go do great things ”



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## Git in a minute

Version control is how we collaborate with each other. It allows us to work on the same project, at the same time.

git version control system  
(on your computer, local)  
allows multiple people to work on projects,  
uses git (on the web), need internet  
connection to sync  
makes it easy to sync a repository on GitHub  
book on GitHub, copy & paste  
changes from GitHub, make changes  
pull - get changes from your repos, or the  
repo you're working on, give them a push  
push - make changes from your repos, or the  
repo you're working on, then replace the old files on  
GitHub  
pull request - you send these changes  
from your GitHub repos to the original  
owner of the project



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# Contributing isn't just about code!

There is plenty of work to be done



# "How can I contribute? I don't know how to code!"

- Start with programs you use
- Find & report bugs
- Write an example (how-to)
- Make a comment on confusing thing
- Use beta releases, report your platform & problems or success
- Improve a website
- Help a newer-noob, answer questions!

<http://blog.smartbear.com/programming/14-ways-to-contribute-to-open-source-without-being-a-programming-genius-or-a-rock-star/>

ode!

# Open Source Helps Everyone

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The more **WOMEN** at work  
the sooner we **WIN!**



# Git in a minute

Version control is how we collaborate with eachother . It allows us to work on the same project, at the same time.

## Words

**git**: version control system  
(on your computer, local)

**GitHub**: website that hosts projects,  
uses git (on the web, need internet  
connection to use)

**repo** (repository): a project on GitHub

**fork**: on GitHub, copy a repo

**clone**: from GitHub to your machine

**pull**: get changes (from your repo, or the  
original)

**push**: you make changes to files on your  
computer, then replace the old files on  
GitHub

**pull request**: you send those changes  
from your GitHub repo to the original  
owner of the project



## Command Line

### git class

GDI hosts  
"Intro to Git and GitHub"  
June 10, 2015

### git tutorial

<http://gitimmersion.com/>

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# The Two Freedoms

## And other need-to-knows

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Created by Juan Pablo Bravo  
from the Noun Project

“Free software is a matter of liberty, not price. To understand the concept, you should think of ‘free’ as in ‘free speech,’ not as in ‘free beer.’”

-Richard M. Stallman

**Licenses:** tell you how you can use the product/ project.

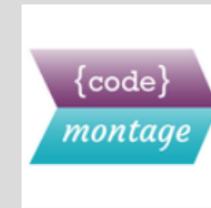
**Contribute.md :** some repositories have these guides that tell you how the maintainers want you help out/ submit a pull request

**Code of Conduct:** many projects, including those for Code for America, adhere to a published code of conduct.

# Resources

## Finding projects and people

Go to Meet-ups! Meet people!



Code Montage



Code for America civic tech  
issues finder



Prezi



Code for America civic tech  
issues finder

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“ Go do great things ”

# And now....

## Introductions from our fearless breakout leaders!

After introductions, choose a project that appeals to you.

At 7:50 we will pause so that groups can share their work and give feedback!

- What was the best part of the evening—besides the food and awesome venue :)
- What questions do you still have?
- Did you like the format?
- What do you want to hack on next time?

# give feedback!

- What was the best part of the evening-  
besides the food and awesome venue :)
- What questions do you still have?
- Did you like the format?
- What do you want to hack on next time?