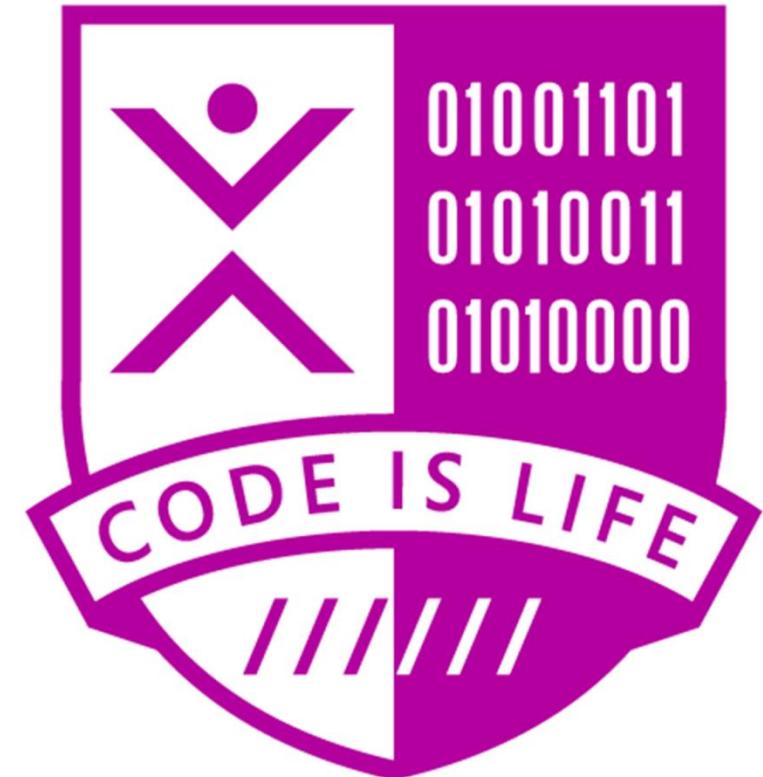


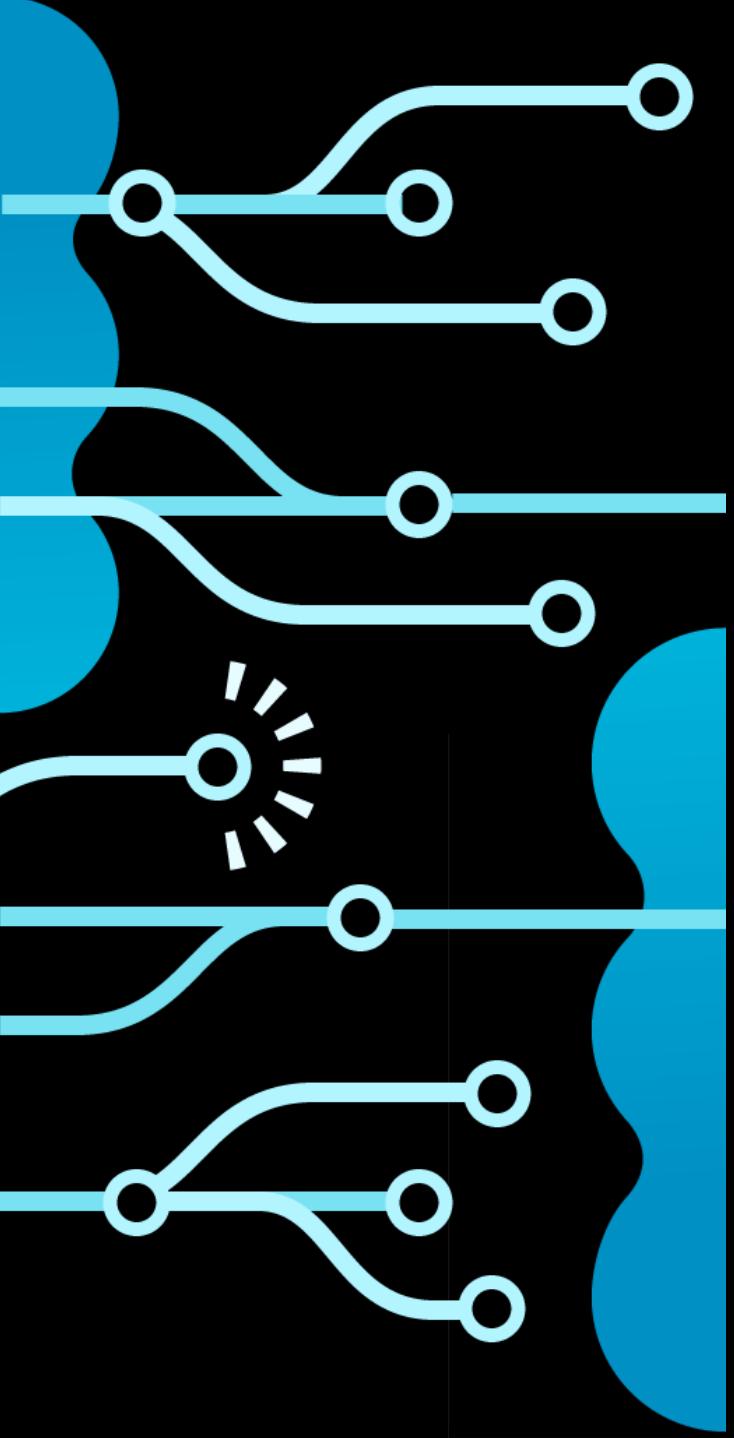
Microsoft Student Partners

Git & Github :

Do you version control ?

- Amartya Ranjan Saikia
[mailto: ar5saikia@gmail.com](mailto:ar5saikia@gmail.com)





moz://a

Open Web Club

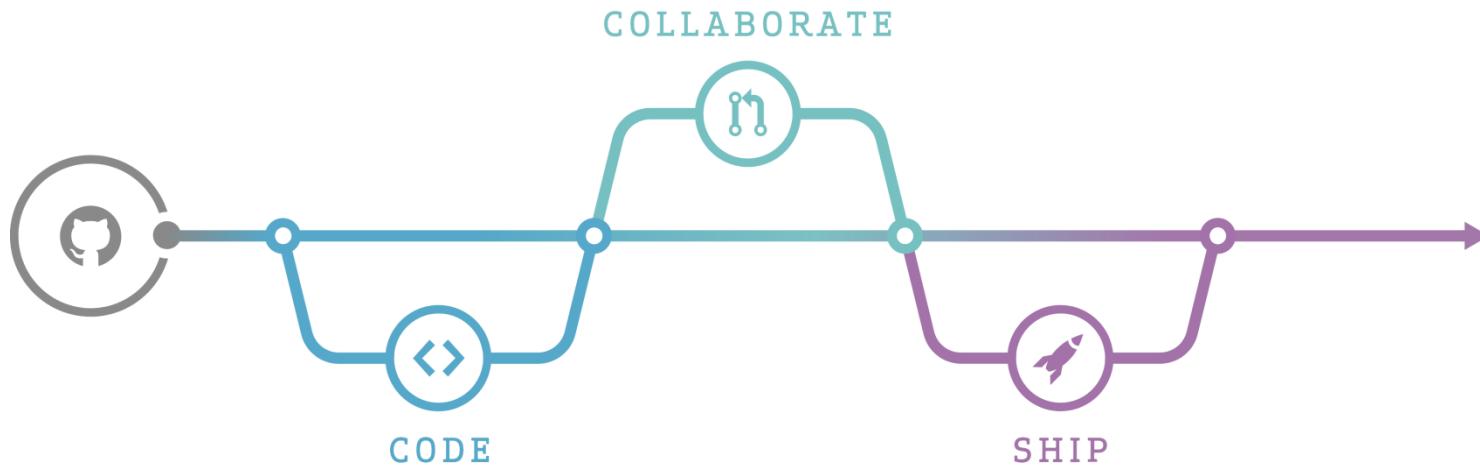
Teach the Web





Git & Github :

Do you use version control system ?



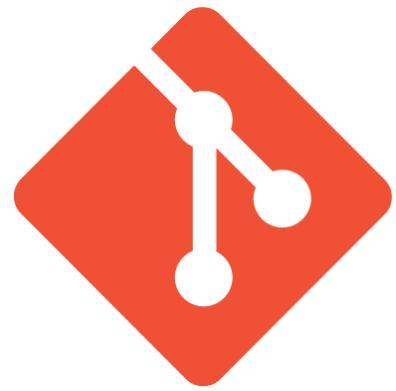
Version Control System?





Why should we learn distributed **VCS**?





git

What is Git?



Features of Git



Distributed



Compatible



Non-linear



Branching



Lightweight



Speed



Open Source



Reliable



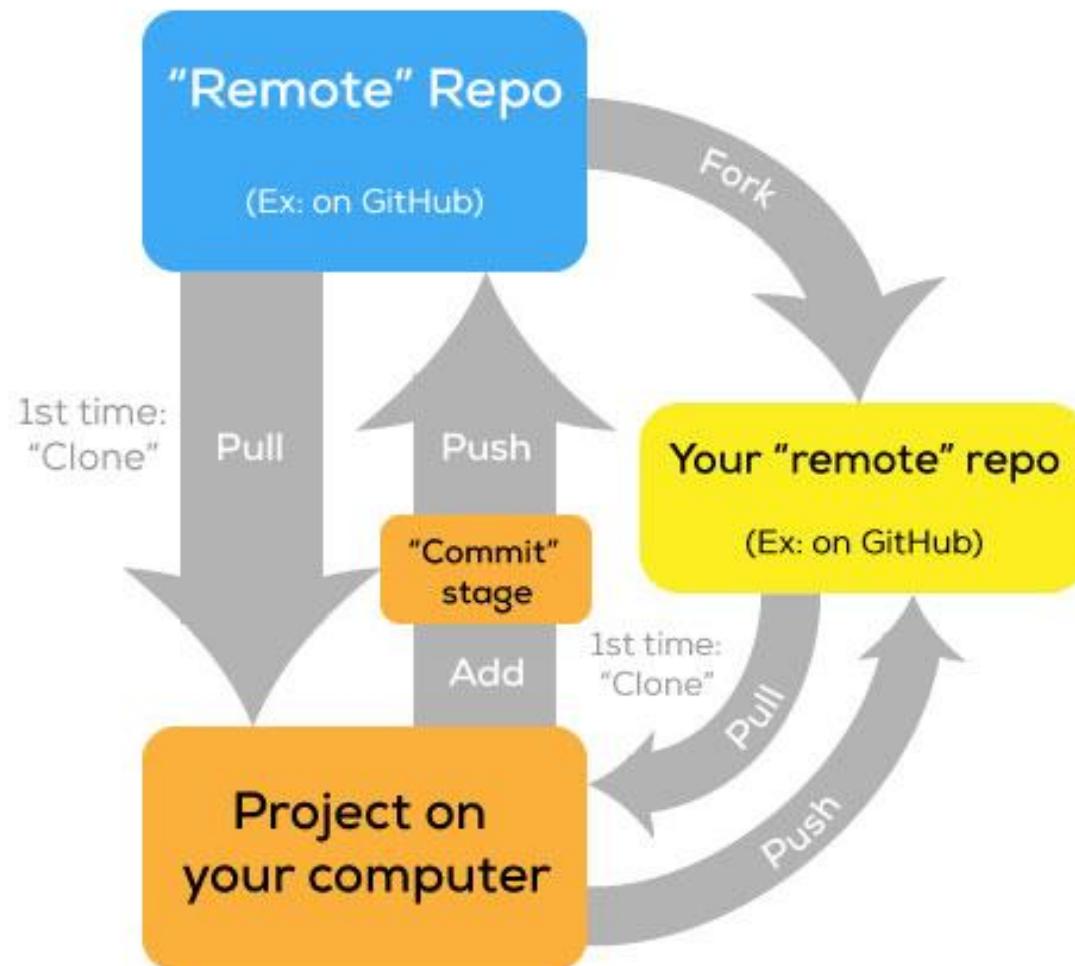
Secure

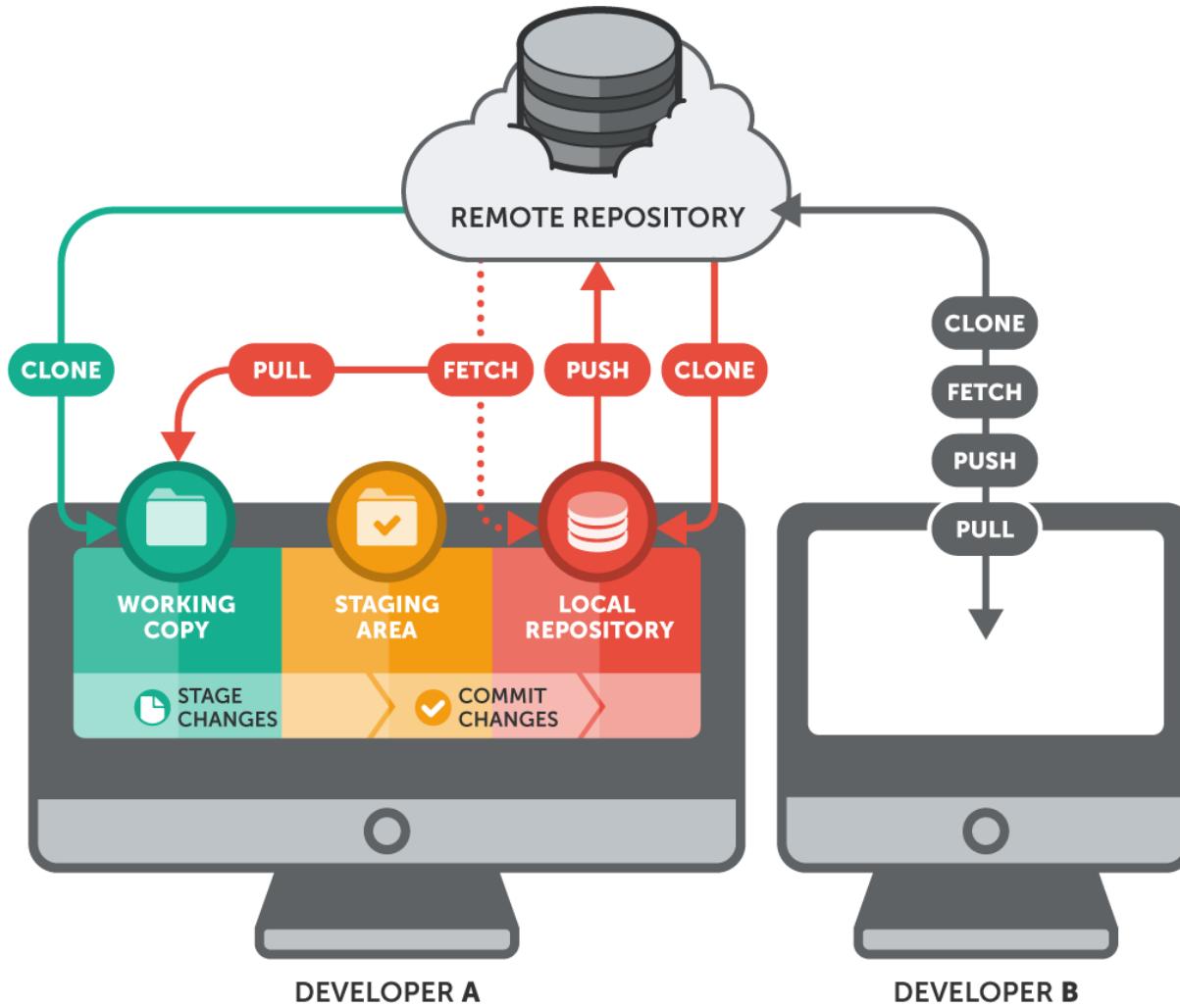


Economical

Git for non-developers

(in a tiny nutshell)





Basic

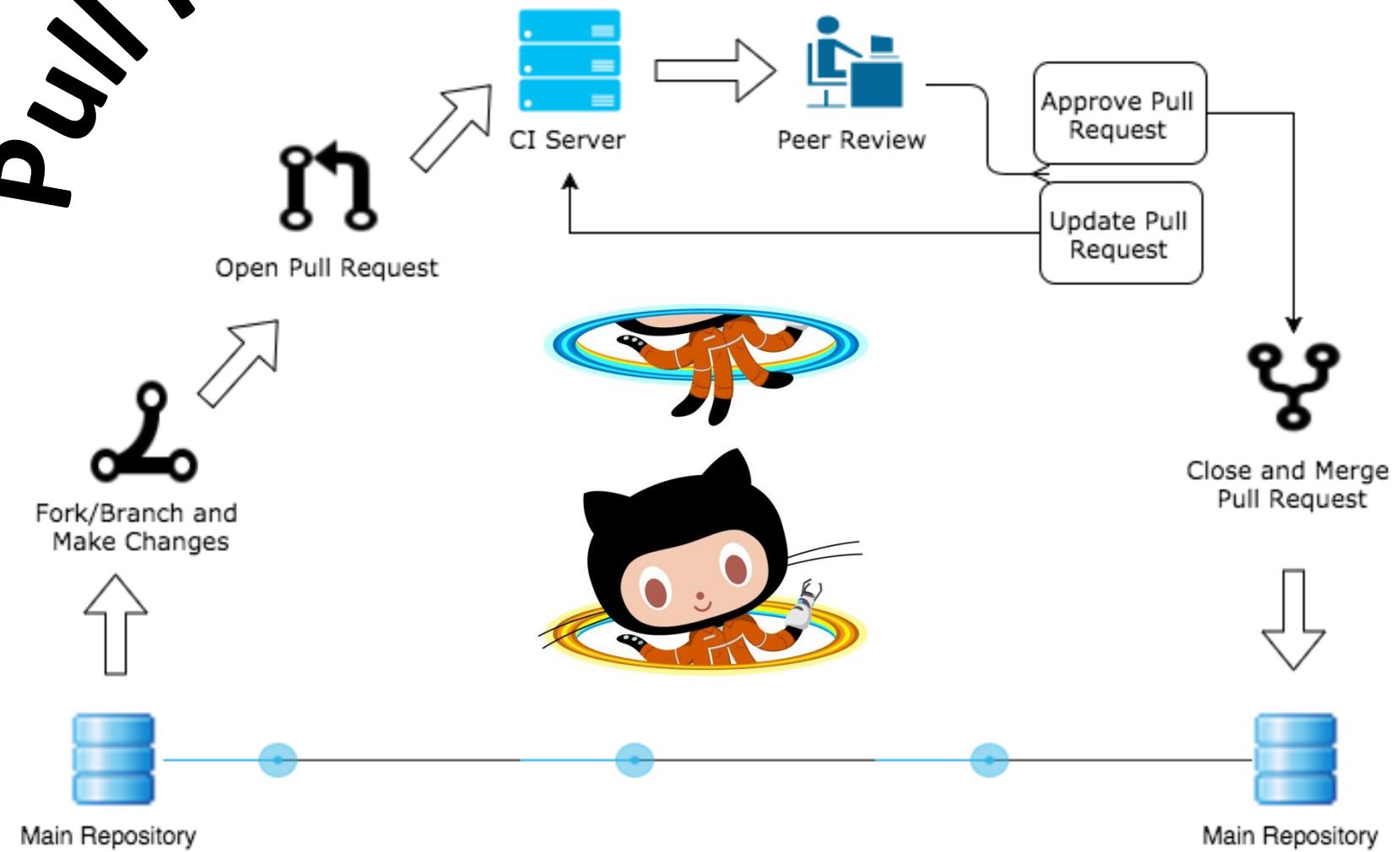


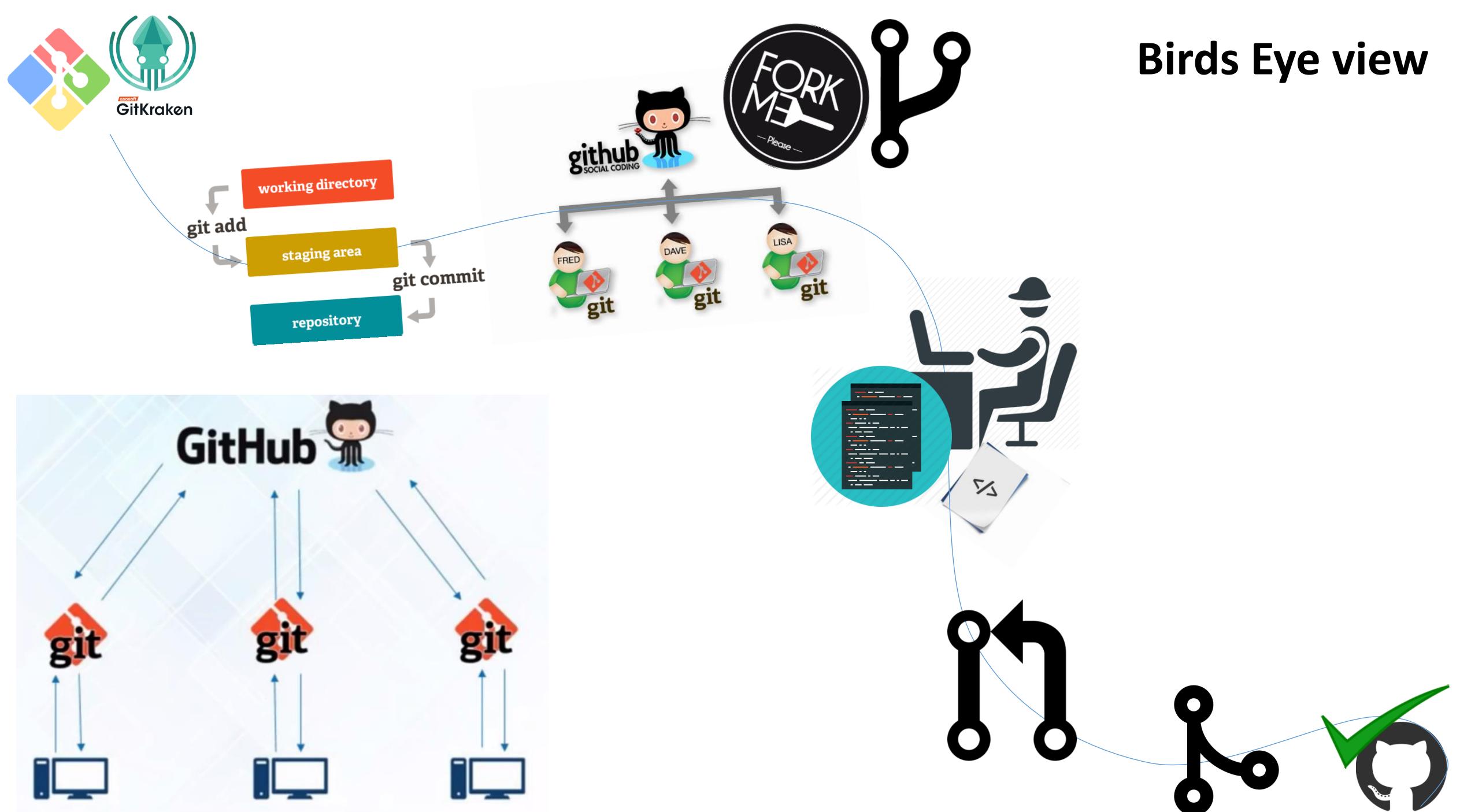
git Commands

\$ git init	\$ git config --global user.name "My Name"
\$ git status	\$ git clone http://....
\$ git add filename.txt	\$ git fetch origin
\$ git commit -m "comment"	\$ git remote origin
\$ git add *.txt	\$ git add .
\$ git log	\$ touch aec.txt
\$ git remote add origin https://github.com/try-git/try_git.git	\$ touch .gitignore
\$ git push -u origin master	\$ vim .gitignore
\$ git pull origin master	\$ git fetch
\$ git diff HEAD	
\$ git diff --staged	
\$ git reset files/newcopy2.txt	
\$ git checkout --newcopy2.txt	
\$ git branch clean_up	
\$ git checkout clean_up	
\$ git rm *.txt	
\$ git merge clean_up	
\$ git branch -d clean_up	
\$ git push	



Pull Request Workflow

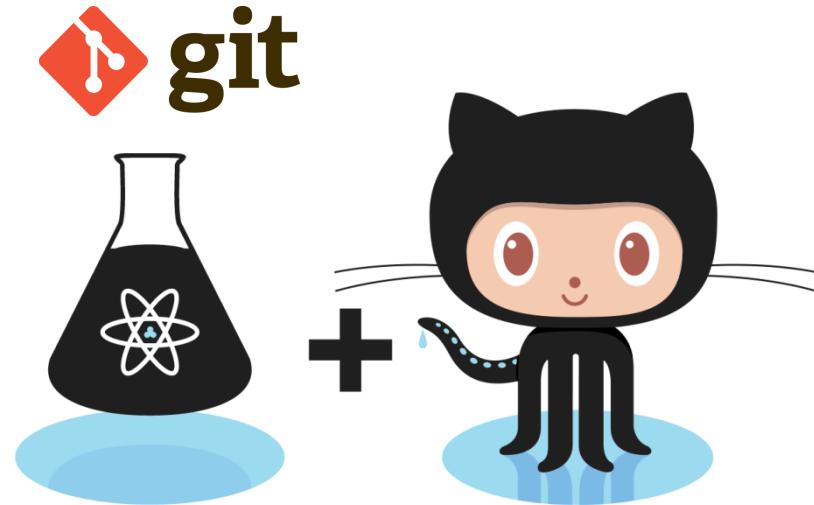






GitHub

The “Git” in GitHub



The “Hub” in GitHub



Repository

Pull Requests

Merging

Rebasing

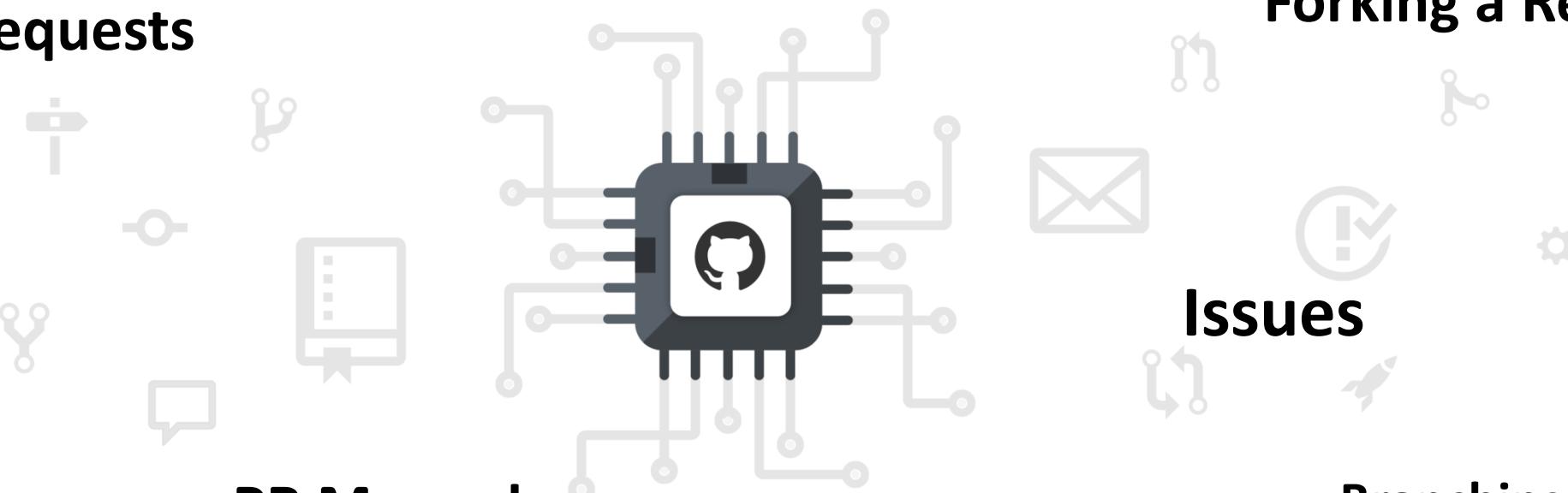
PR Merged

Cloning

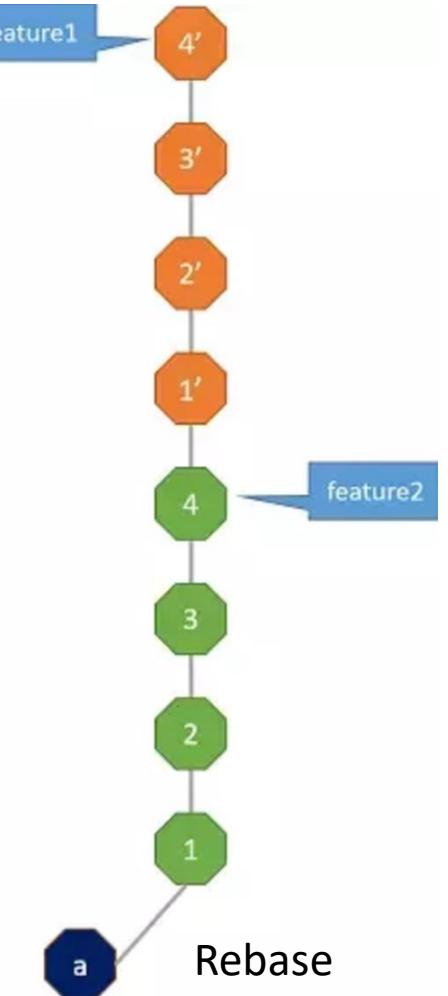
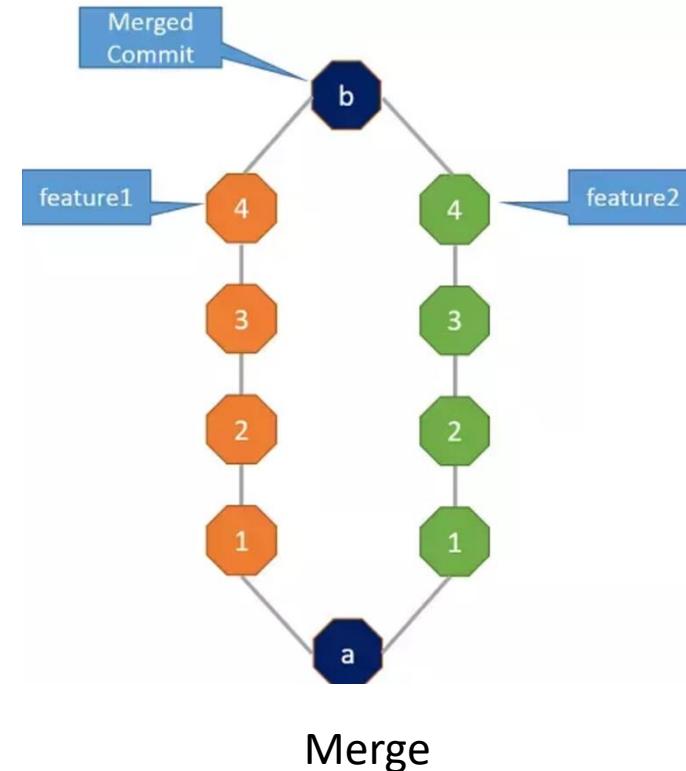
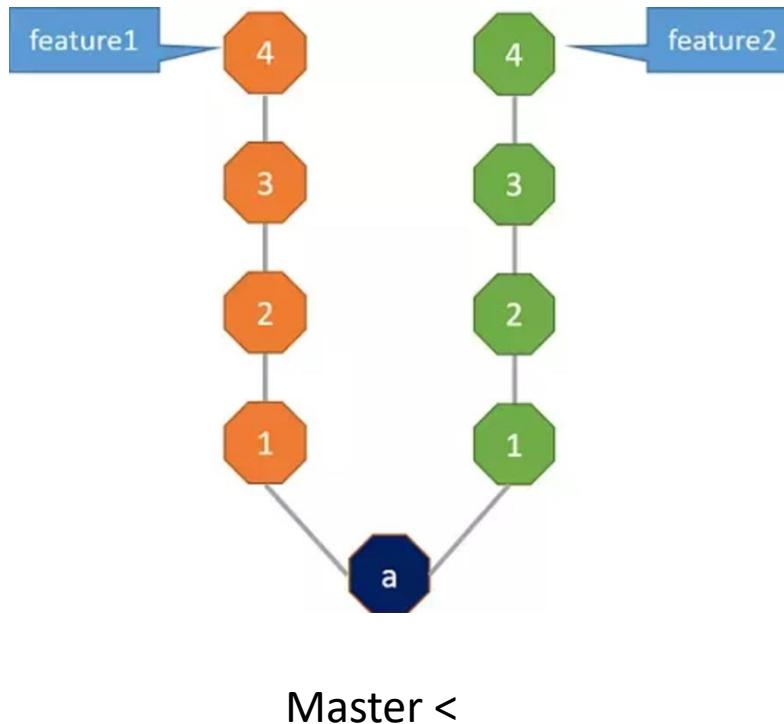
Forking a Repo

Issues

Branching



Merging vs Rebase



HANDS ON



git

+

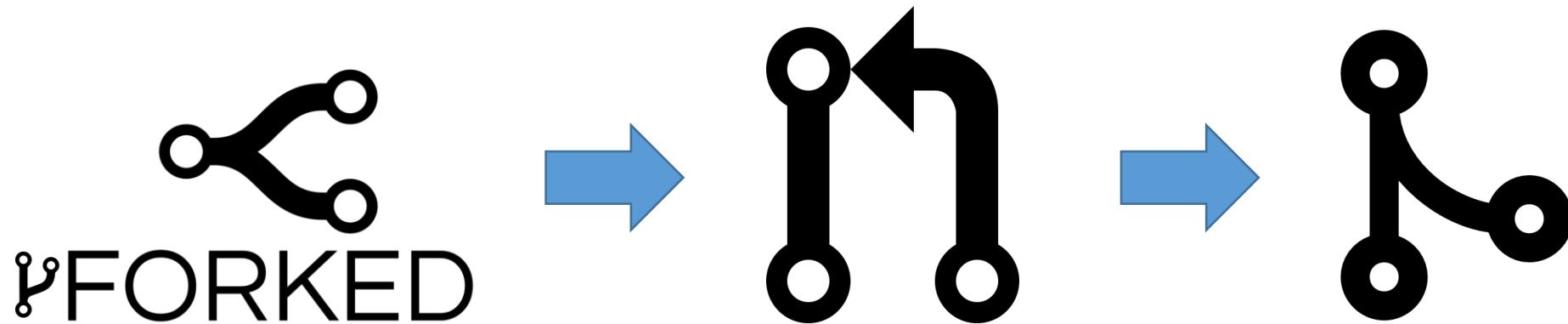


GitHub





OPEN SOURCE



Apply To

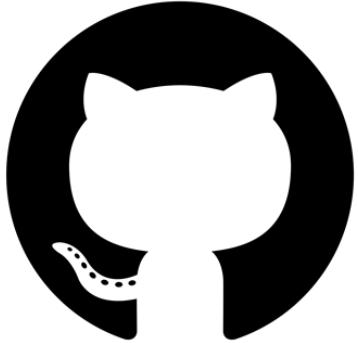
Google Summer of Code





GitHub

Student Developer Pack



Premium Account



axosoft
GitKraken



<https://education.github.com/pack>



A hackable text editor for the 21st Century

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<https://education.github.com/pack>



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DETAILS GitKraken Pro account for 1 user. Free for 1 year (normally \$60/year).



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DETAILS \$25 in platform credit



A suite of Microsoft Azure cloud services and developer tools, including the Visual Studio IDE

DETAILS Microsoft Azure, Visual Studio Community 2015 and the rest of the Microsoft developer tools while you're a student



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<https://education.github.com/pack>



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Continuous integration platform for open source and private projects

DETAILS Private builds (normally \$69/month) while you're a student



A complete suite of game development tools for PC, console, mobile, web and VR

DETAILS Unreal Engine while you're a student





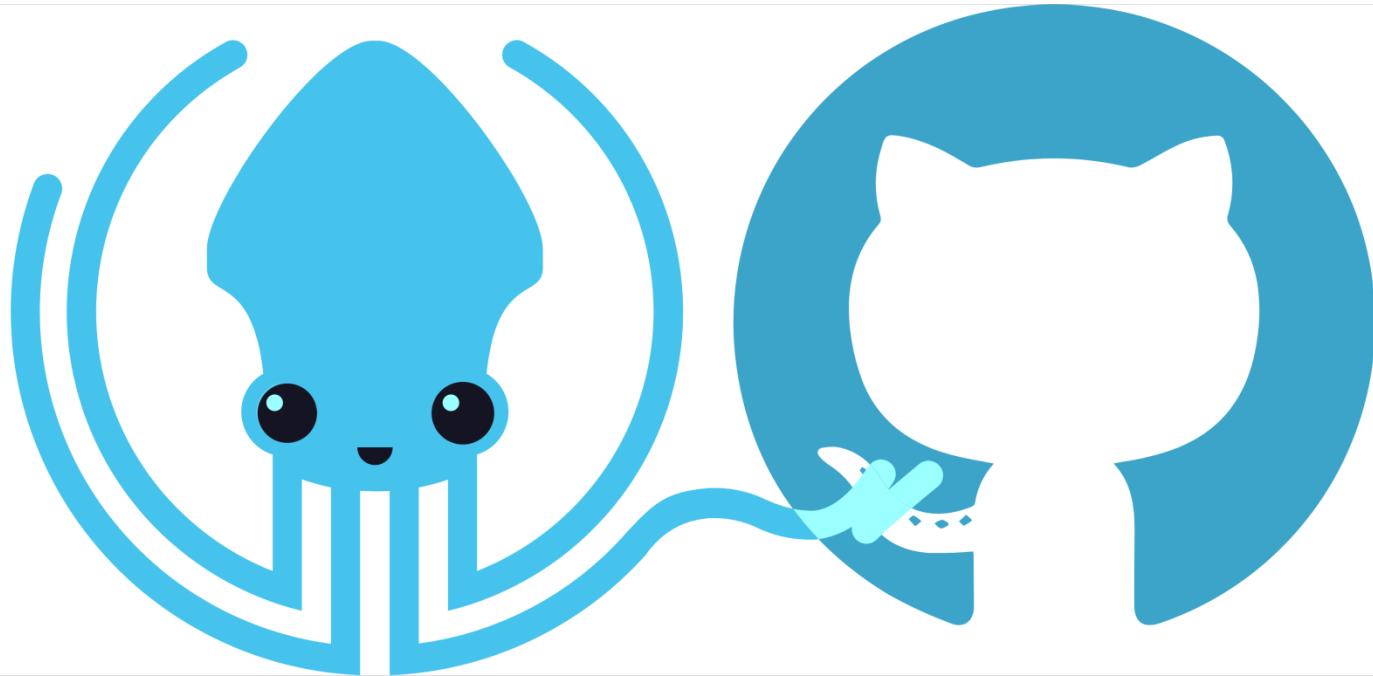
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OCT 10 - 12, 2017 - PIER 70, SAN FRANCISCO, CA



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Thank You