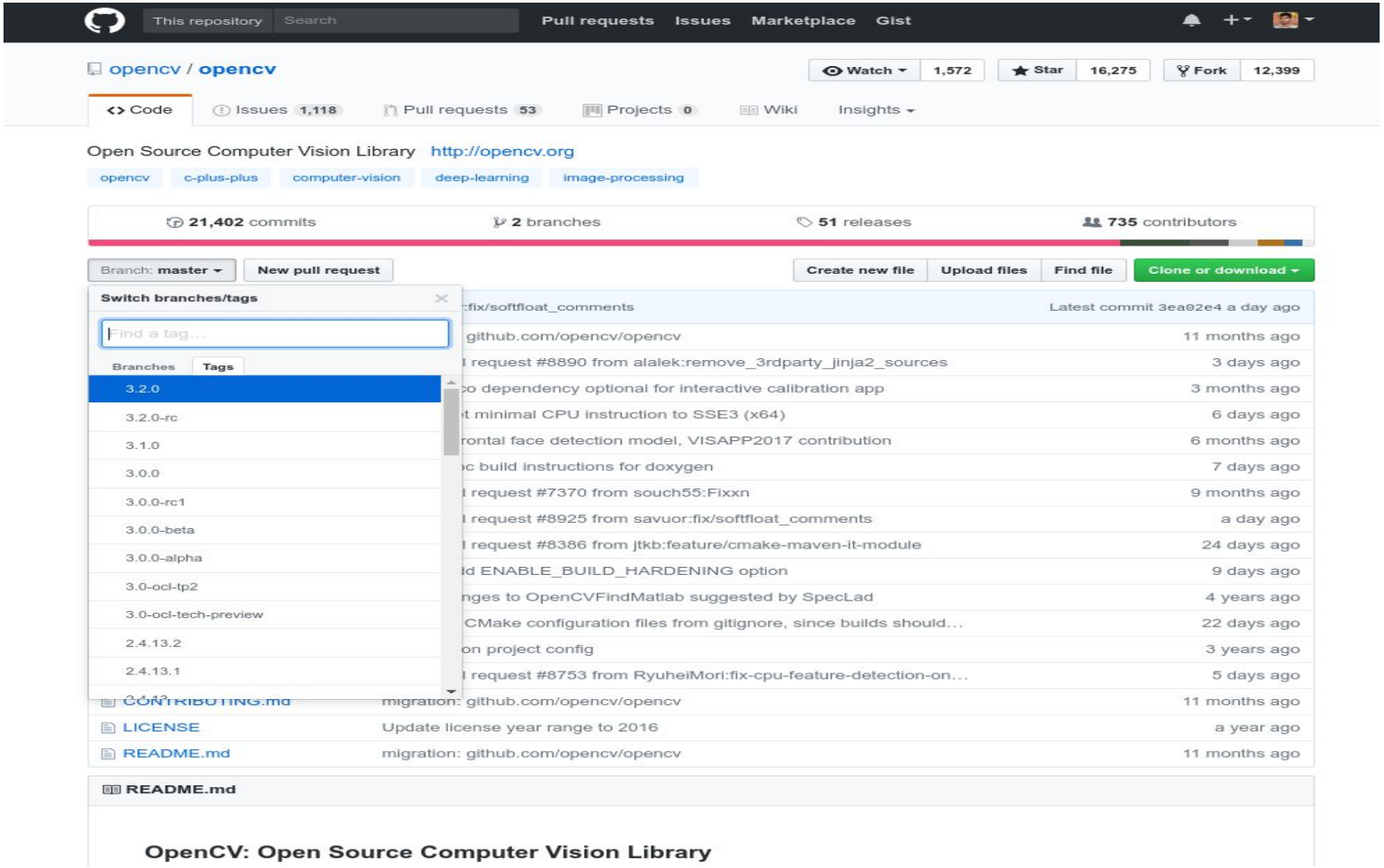
Introduction to GIT and GITHub

Is This for You !

- Git is an example of version control
- Revert files or the whole project to an earlier state
- Compare changes over time
- See who modified what?
- Control modifications by collaborators wit admin/owners

- A web-based graphical interface that works on top of GIT
- Control and several collaboration features, such as wikis and basic task management tools


This repository
Search
Pull requests
Issues
Marketplace
Gist
opencv / opencv
Watch 1,572
Star 16,275
Fork 12,399
Code
Issues 1,118
Pull requests 53
Projects 0
Wiki
Insights
Open Source Computer Vision Library http://opencv.org
opencv
c-plus-plus
computer-vision
deep-learning
image-processing
21,402 commits
2 branches
51 releases
735 contributors
Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download
Switch branches/tags
Find a tag...
Branches
Tags
3.2.0
3.2.0-rc
3.1.0
3.0.0
3.0.0-rc1
3.0.0-beta
3.0.0-alpha
3.0-ocl-tp2
3.0-ocl-tech-preview
2.4.13.2
2.4.13.1
:fix/softfloat_comments
Latest commit 3ea02e4 a day ago
github.com/opencv/opencv
11 months ago
l request #8890 from alalek:remove_3rdparty_jinja2_sources
3 days ago
co dependency optional for interactive calibration app
3 months ago
t minimal CPU instruction to SSE3 (x64)
6 days ago
rontal face detection model, VISAPP2017 contribution
6 months ago
c build instructions for doxygen
7 days ago
l request #7370 from souch55:Fixxn
9 months ago
l request #8925 from savuor:fix/softfloat_comments
a day ago
l request #8386 from jtkb:feature/cmake-maven-it-module
24 days ago
d ENABLE_BUILD_HARDENING option
9 days ago
nges to OpenCVFindMatlab suggested by SpecLad
4 years ago
CMake configuration files from gitignore, since builds should...
22 days ago
on project config
3 years ago
l request #8753 from RyuheiMori:fix-cpu-feature-detection-on...
5 days ago
migration: github.com/opencv/opencv
11 months ago
LICENSE
Update license year range to 2016
a year ago
README.md
migration: github.com/opencv/opencv
11 months ago
README.md
OpenCV: Open Source Computer Vision Library

A Simple GIT Workflow

- git init
- git add . / git add --all / git add <file location>
- git commit -m “message what it all about”
- git pull origin master
- git push origin master -f
- git fetch --all
- git remote add upstream <url>
- git remote set-url origin <new url of origin>

Where Am I? Need to move… !

- git remote -v
- git branch -a
- git branch -v

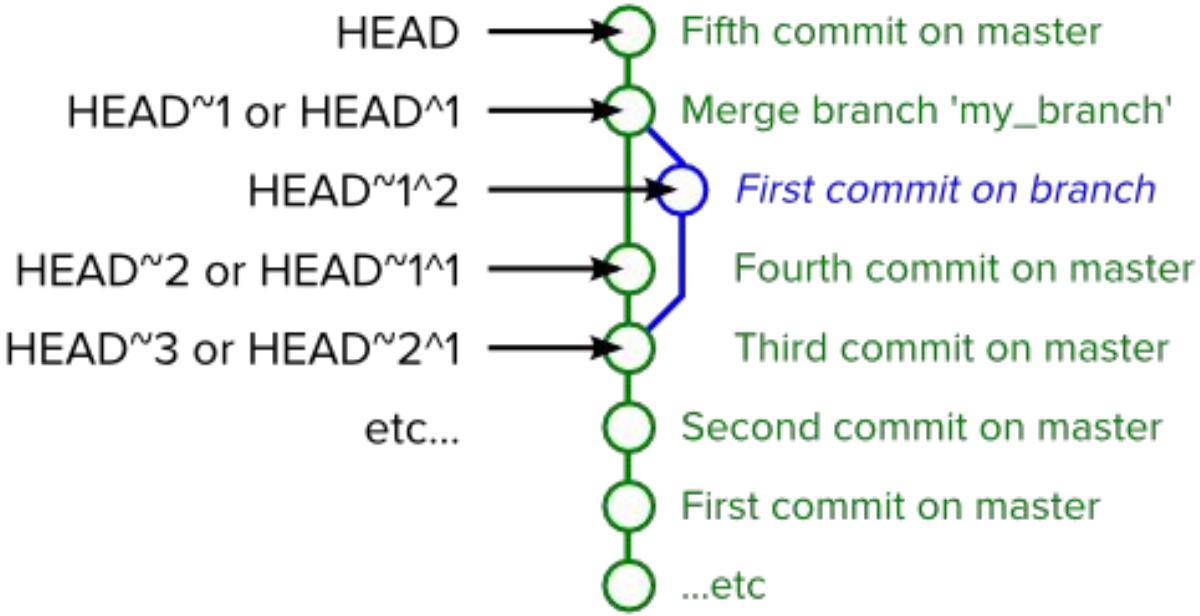
- git checkout [name_of_branch] / -b
- git tag
- git checkout -b 1.0.0_branch 1.0.0

How to see what was done ?

- git log
- git reflog show
- git status
- git stash
- git diff

GIT HEAD

Reference to the last commit in the currently checked-out branch



How to revert Git repository to a previous commit?

- git log
- git reset --hard <SOME-COMMIT>

- git stash
- git reset --hard <SOME-COMMIT>
- git stash pop