

Git & GitHub



Daren Card

Software Carpentry Workshop
University of Texas at Arlington
January 30-31, 2016

What is Git?

A distributed revision control system with an emphasis on speed, data integrity, and support for distributed, non-linear workflows.

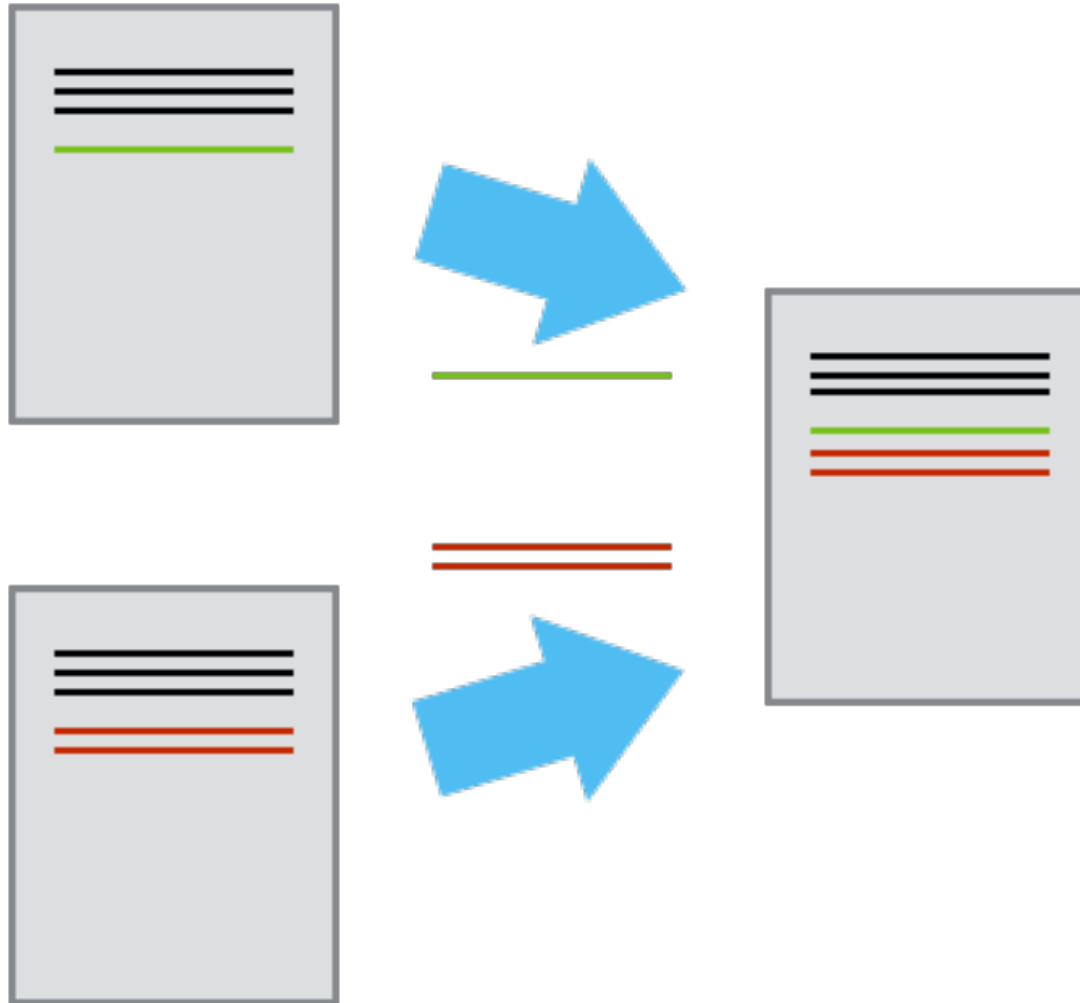
What is Git?



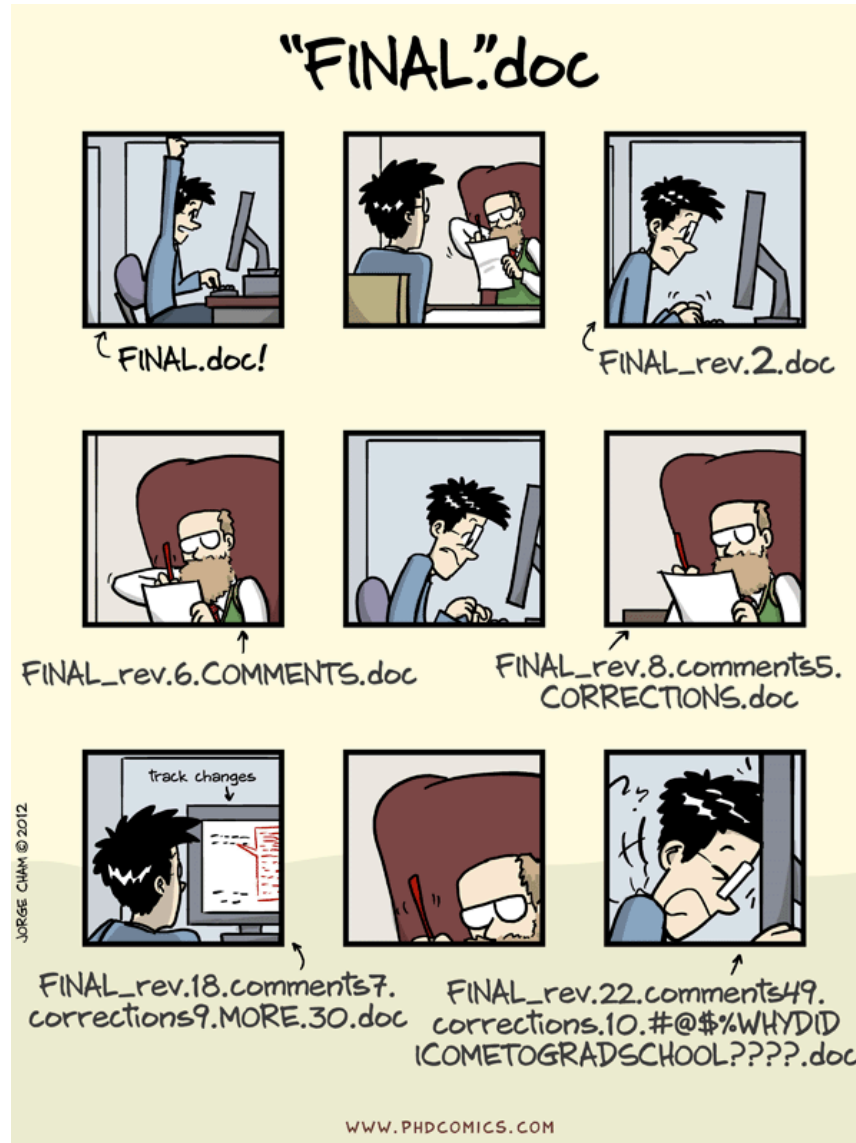
What is Git?



What is Git?



What is Git?



What is GitHub?

A web-based Git repository hosting service, combining the functionality of Git with additional features including a graphical interface, access control, bug tracking, feature requests, task management, wikis, and repository sharing.

What is GitHub?

The screenshot shows the GitHub interface for the 'Google' repository. At the top, there is a search bar and navigation links for 'Pull requests', 'Issues', and 'Gist'. The repository name 'Google' is displayed with its logo and the URL 'https://developers.google.com/'. Below this, there are tabs for 'Repositories' and 'People 700'. A search bar for repositories is visible with the text 'Find a repository...'. The main content area lists three repositories:

- cloudprint_logocert** (Python, 3 stars, 1 fork) - Google Cloud Print Logo Certification Automation, updated 14 minutes ago.
- dotty** (Python, 9 stars, 4 forks) - updated 30 minutes ago.
- error-prone** (Java, 803 stars, 66 forks) - Catch common Java mistakes as compile-time errors, updated an hour ago.

On the right side, there is a 'People' section with a grid of 12 profile pictures and a 'Developer Program Member' badge.

What is GitHub?

google / **cloudprint_logcert** Watch 8 Star 3 Fork 1

[Code](#) [Issues 3](#) [Pull requests 0](#) [Wiki](#) [Pulse](#) [Graphs](#)

Google Cloud Print Logo Certification Automation

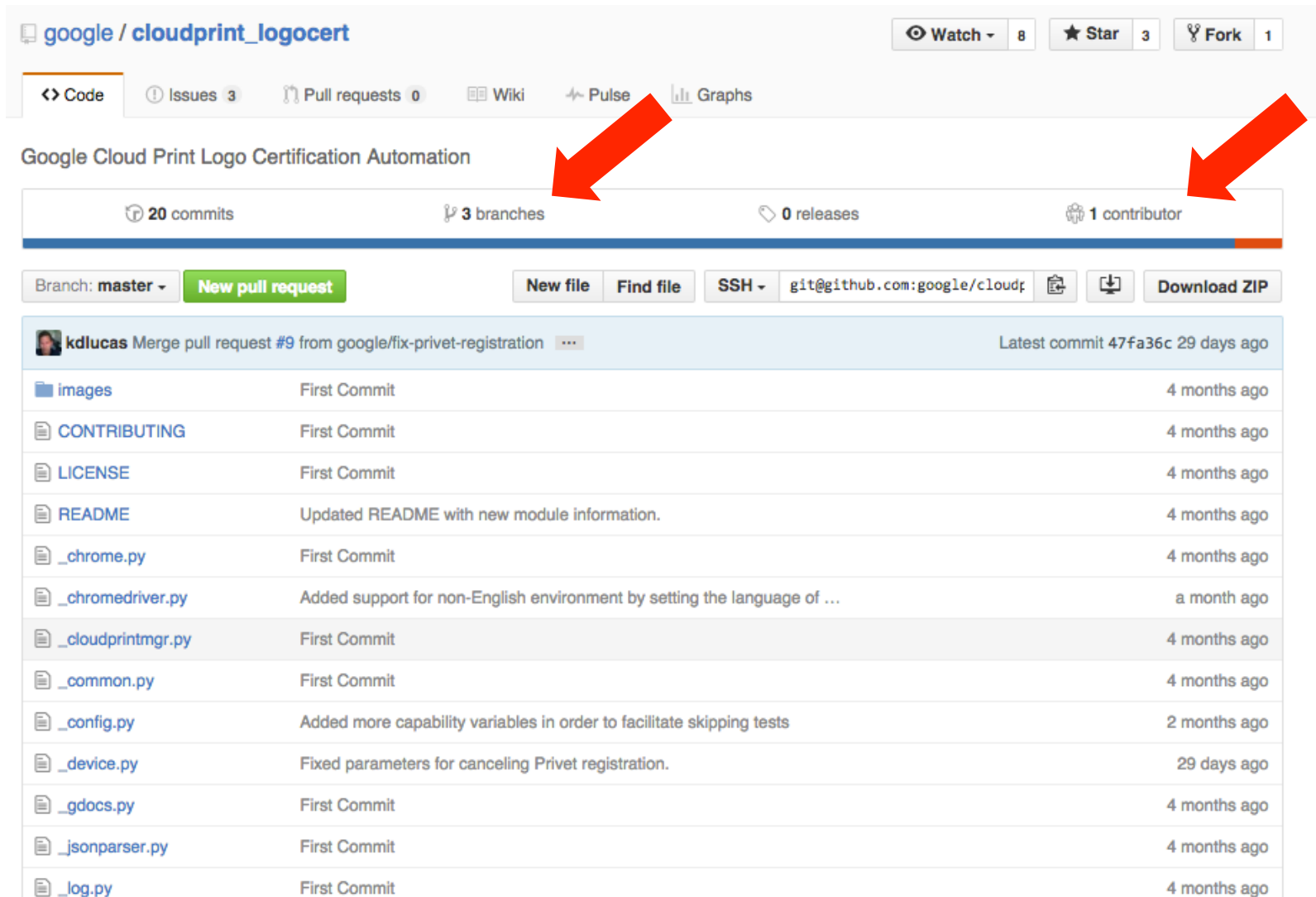
20 commits 3 branches 0 releases 1 contributor

Branch: **master** [New pull request](#) [New file](#) [Find file](#) [SSH](#) `git@github.com:google/cloudp` [Download ZIP](#)

kdilucas Merge pull request #9 from google/fix-privet-registration Latest commit 47fa36c 29 days ago

images	First Commit	4 months ago
CONTRIBUTING	First Commit	4 months ago
LICENSE	First Commit	4 months ago
README	Updated README with new module information.	4 months ago
_chrome.py	First Commit	4 months ago
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_log.py	First Commit	4 months ago

What is GitHub?



The screenshot shows the GitHub interface for the repository 'google/cloudprint_logcert'. At the top, there are navigation tabs for 'Code', 'Issues 3', 'Pull requests 0', 'Wiki', 'Pulse', and 'Graphs'. Below the repository name, there are statistics: '20 commits', '3 branches', '0 releases', and '1 contributor'. Two red arrows point to the repository name and the '1 contributor' count. Below the statistics, there are buttons for 'New pull request', 'New file', 'Find file', 'SSH', and 'Download ZIP'. The main content area shows a list of files and their commit history.

google / **cloudprint_logcert** Watch 8 Star 3 Fork 1

Code Issues 3 Pull requests 0 Wiki Pulse Graphs

Google Cloud Print Logo Certification Automation

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Branch: master - New pull request

New file Find file SSH git@github.com:google/cloudprint_logcert Download ZIP

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google / **cloudprint_logcert** Watch 8 Star 3 Fork 1

Code Issues 3 Pull requests 0 Wiki Pulse Graphs

Google Cloud Print Log Certification Authentication

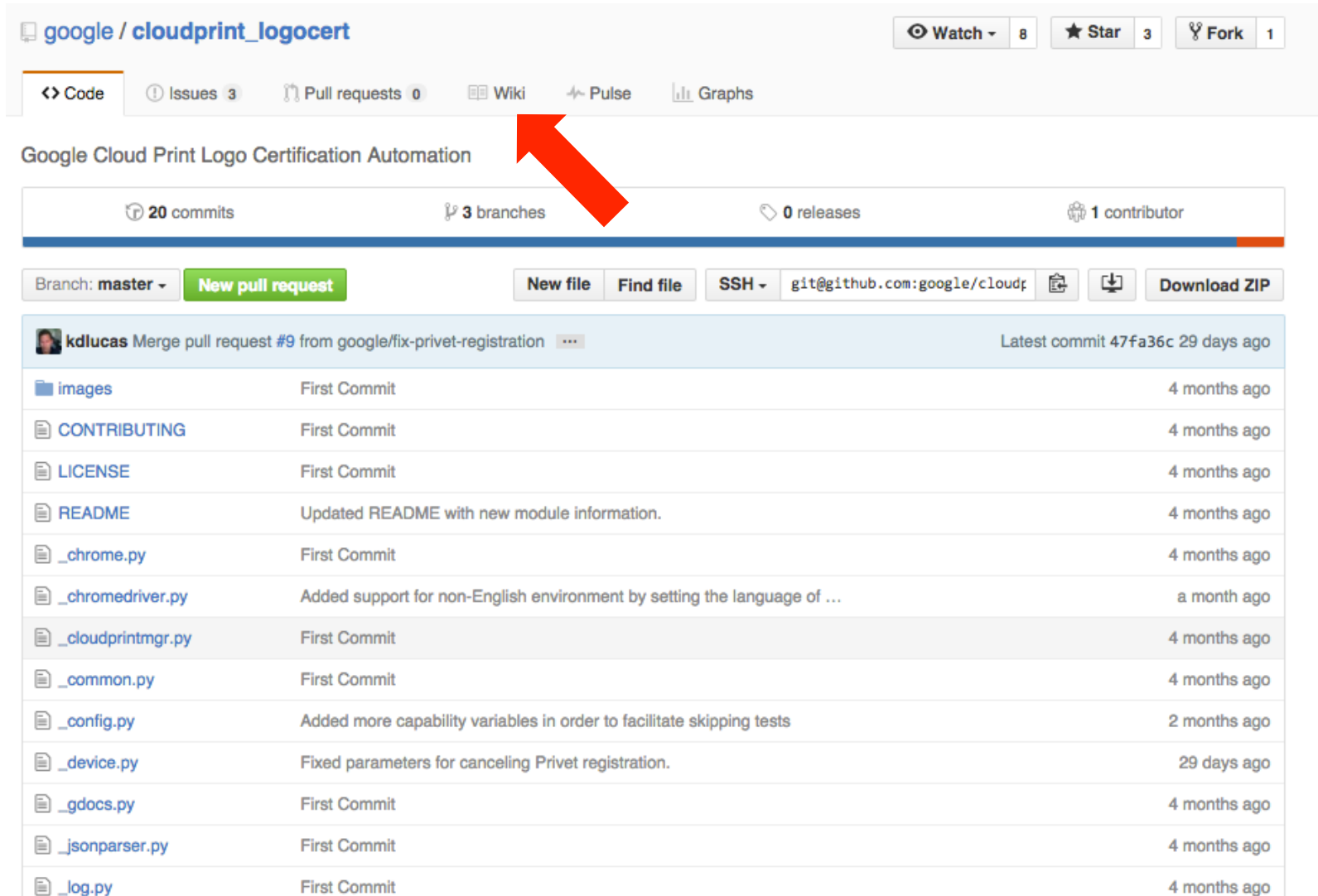
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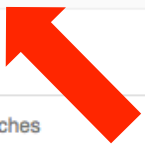
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