

FALL 2021 / ONLINE

INTERACTIVE DEVELOPMENT

Tuesday, August 31

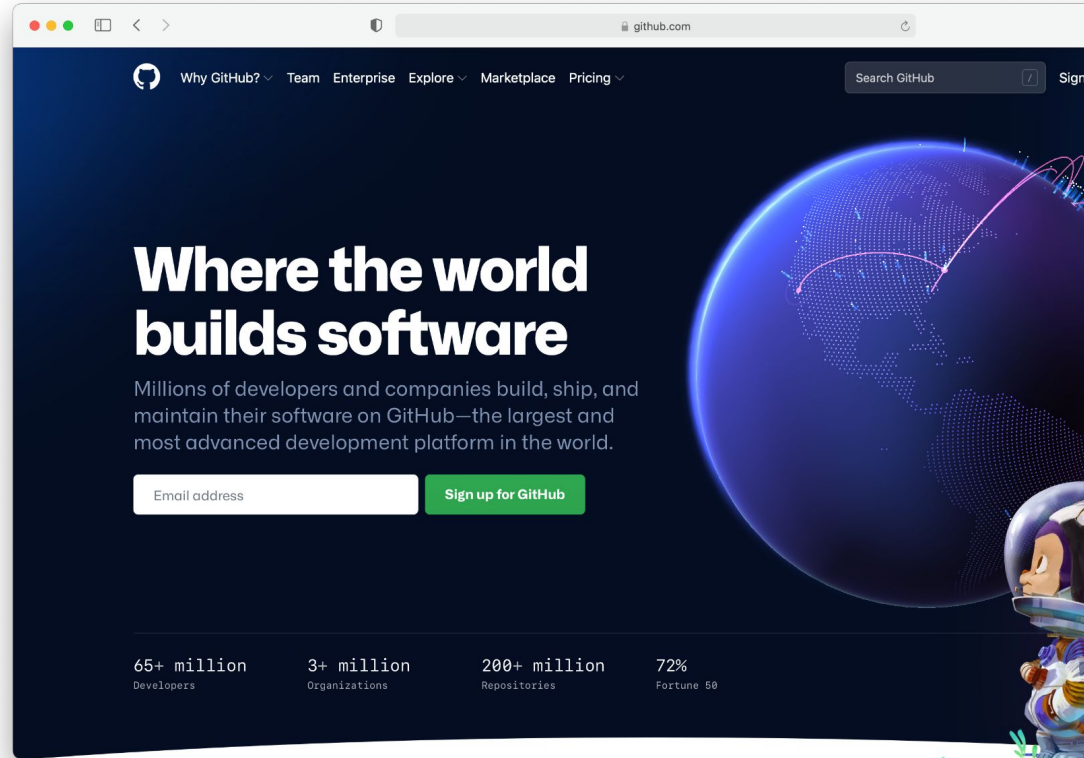
WHAT IS
GITHUB?

GITHUB

Github is an cloud storage tool for code.

It allows teams to work on a single code base at the same time and mitigate conflicting changes.

Google Drive for Code™



BUT WHAT IS GIT?

Git is a **version control system**.

Version control, *also known as source control*, is the practice of tracking and managing changes to software code.

Version control systems are software tools that help software teams manage changes to source code over time.¹

VCS allows you to see line-by-line who wrote what – including historically. This allows the team to move back and forth through time in a project.

Learn more about git at git-scm.com

¹ <https://www.atlassian.com/git/tutorials/what-is-version-control>

VIDEO: WHAT IS GIT?

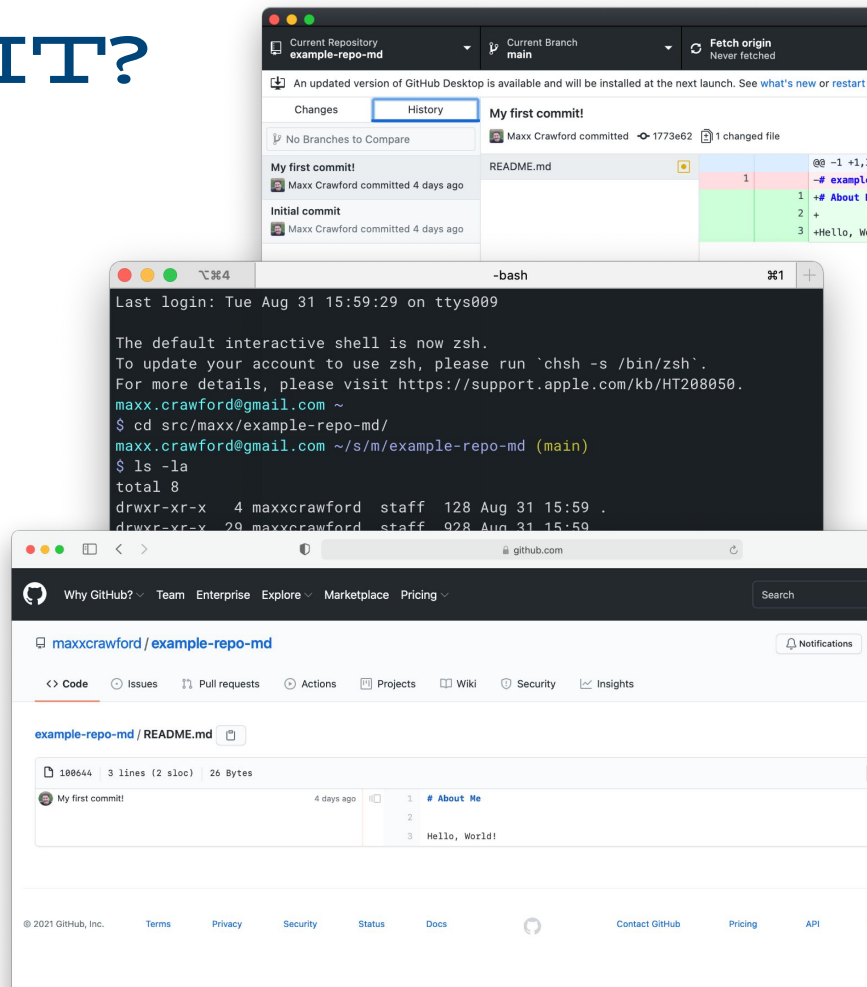


HOW DO I USE GIT?

There are a few different methods:

- GitHub.com (Web interface)
- GitHub for Desktop (OS App)
- Command line (via Terminal)

Note: Because of current IT limitations, we will be using GitHub.com as the primary method to make sure anyone who uses one of the UAFS computer lab machines, but I am happy to help you set up your personal machines and walk through these other methods!



WHAT IS A README FILE?

A README file is a document usually located in the root of a directory/project that contains general information about the project.

It is a convention from early 1970s computing and still common practice today.

Some README files are plain-text (.txt) while others can be in Markdown (.md)

Markdown is a lightweight markup language for creating formatted text using a plain-text editor.

Learn more about how Markdown works at markdownguide.org



GITHUB WALKTHROUGH DEMO

FIRST ASSIGNMENT

- Create a Github account
- Create a new repo (*Name of your choice*)
 - *Be sure to initialize with a README file*
- Edit the README file and commit your changes
- Send me a link to your repo
- Due: Friday, Sept 3

Documentation: <https://docs.github.com/en/get-started/quickstart/create-a-repo>

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