

# Git

# Objectives

- Discuss what a Version Control System is
- Describe how Git works
- Initialize a git repository with `git init`
- Check the status of changed files in a git repository with `git status`
- Stage and Commit files

# Version Control System

Version control allows developers to revert back to a specific time and place in your code... sort of like a reset button.



# Git is the Solution

Git is a Version Control System. Any files tracked by git typically go through 3 stages:

Unstaged

Staged

Committed

git init

git status

git add



git commit



# Let's Put it All Together

- git init
- git status
- git add -a
- git commit -m "complete the lesson"

A row of colorful, star-shaped erasers is arranged diagonally across a whiteboard. The erasers come in various colors including red, blue, yellow, green, purple, and pink. They have a textured, star-like shape with multiple points and a central circular area. The background is a plain whiteboard surface.

# white Board Time

# BREAK

# GitHub

# Objectives

- Discuss the difference between Git and GitHub
- Connect Git and GitHub
- Send files from Git to GitHub

# What is GitHub?

GitHub acts as a remote backup service for git repositories.

# Connect Git and GitHub

```
git remote add origin git@github.com:nasa/marooned-  
astronaut.git
```



# Send the files to GitHub

git push origin master



# What's Next? Practice!

<http://learngitbranching.js.org/>

Main - Introduction Sequence 1 - 3

Remote - Push & Pull Sequence 1 - 4

# Git/Github Q&A