Fred Maul

Git Hub Paper

GitHub is a free, cloud-based platform that allows people to develop and manage the workflow of software projects. You can clone, push, pull, and commit to track all your code on one easy platform. You can use “Git Clone” to clone your repository, “Git Commit” to save your repository, “Git Push” to add new changes to a repository, and Git Pull” to download changes from the repository. Git Hub also works as a portfolio and is a valuable thing to have on your resume. Other developers can check out and use your code if it is public, and overall, GitHub is widely accepted, and developers use it frequently. Getting started is easy, and it's too valuable not to understand.

Git uses a version control system to track changes to your projects. This feature is valuable when multiple people are working. When completing a project simultaneously with another developer, you can create branches and edit your own branch before sharing and committing the adjustment. You can use the merge feature to implement your new changes into the main file, and Git can track all your progress to ensure you’re working effectively. Though Git and GitHub work together, they are not the same entity. When working on a project or committing changes to a Git repository, the Git will track your changes. You can sync up your computer and use the Central remote to update your repository. Git Desktop is a good way to work on your local files while still using the services Git Hub provides.

The steps to coding in GitHub are relatively simple but may take some getting used to. You will first create a repository to save anything related to your project. You decide if the repository is for public or private use and then move to create some branches. The initial repository will have one pre-created branch called main. All branches are created from the main branch to manage your project. Since GitHub can be public, you can use it as a resume builder. You want to keep your account professional since anyone can see your public code. If you’re looking to get work in this field, a good repository will certainly help you.

GitHub has fantastic security features to allow projects and information on GitHub to remain private. One example of Git Hub's safety features relates to branch protections. They can be established so that only certain people can commit, push, or pull. You can also use GitHub to analyze your code for gaps or vulnerabilities while providing various alerts and solutions to your security problem. Furthermore, Git Hub makes it easy to save sensitive information using GitHub Secrets. Youyour repository uses sensitive information, you can create a secret and store the information as encrypted values. A repository secret is accessible to the program even if it is encrypted.