An Introduction to Git

The Invisible College

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Git is a distributed revision control system with an emphasis on speed, data integrity, and support for distributed, non-linear workflows. Git was initially designed and developed by Linus Torvalds for Linux kernel development in 2005, and has since become one of the most widely adopted version control systems for software development.

UPLOADING A PROJECT FOLDER TO GITHUB

```
$ cd path/to/project/folder
```

```
$ git init
```

```
$ git add .
```

```
$ git add file1
$ git add file2.jpg
```

```
$ git remote add origin https://github.com/...
   AccountName/ProjectFolderName.git
$ git remote -v
```

```
$ git push origin master
```

CLONING AN EXISTING REPOSITORY FROM GITHUB

```
$ cd path/to/whereUwant/folder
```

```
$ git clone https://github.com/YOUR-USERNAME/YOUR-REPOSITORY
```

UPDATING AN EXISTING REPOSITORY FROM GITHUB

```
$ git pull -u origin master
```

TELL GIT WHO YOU ARE

```
$ git config --global user.name "Dr Doeg"
$ git config --global user.email sam@example.com
```

GET GIT TO TELL YOU WHERE IT'S AT

```
$ git status
```

GET GIT AND GITHUB

https://git-scm.com/downloads
https://github.com/

MORE ON GIT

https://git-scm.com/book/en/v2