

Using GIT & GitHub

I decided to house all of my current academic notes into a central repository and to use GIT to track changes among these files. This allowed me to practice setting up GIT and provided me with a means to track versions of my notes. The first screenshot shows the initialization of the folder after creation of the GitHub repository.

```
Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents
$ cd 'Academic Notes'

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes
$ git init
Initialized empty Git repository in C:/Users/Owner/Documents/Academic Notes/.git/

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git config --global user.name "gcoanx"

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git config --global user.email "gcoanx@gmail.com"

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    GIS Notes.docx
    Geology Notes.docx
    Rhetoric Notes.docx
```

The individual files were marked for tracking and a commit was scheduled.

```
Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git add 'GIS Notes.docx'

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git add 'Geology Notes.docx'

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git add 'Rhetoric Notes.docx'

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git commit -m "Initial Commit"
[master (root-commit) 31d03dc] Initial Commit
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 GIS Notes.docx
create mode 100644 Geology Notes.docx
create mode 100644 Rhetoric Notes.docx
```

Finally, the documents were pushed to the GitHub repository and verified by reviewing the log.

```
Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git remote add origin https://github.com/gcoanx/Academic-Notes.git

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (master)
$ git branch -m main

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (main)
$ git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 4.59 MiB | 1.93 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/gcoanx/Academic-Notes.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

Owner@DESKTOP-35QPRNJ MINGW64 ~/My Documents/Academic Notes (main)
$ git log
commit 31d03dc99a6be9117be5757551f4f23555c528ad (HEAD -> main, origin/main)
Author: gcoanx <gcoanx@gmail.com>
Date:   Mon Apr 8 11:16:07 2024 -0700

    Initial Commit
```

By visiting the GitHub repository, I am able to confirm that the documents have been correctly set up for future updates.

 gcoanx Initial Commit	
 GIS Notes.docx	Initial Commit
 Geology Notes.docx	Initial Commit
 Rhetoric Notes.docx	Initial Commit