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| **Command**/Key Term | Description |
| Git | Version control software |
| Github | Web service that runs Git |
| Repository | A project that contains many files |
| **Commit** | Saves the file on creation |
| **Commit Changes** | Saves changes to an existing file. **Notes are very helpful** |
| Commit hash | Can be obtained from url and used to reference previous commits |
| **Branch** | Allows “experiments” to the main project. If the experiment is successful, can merge back to the master. |
| **Graphs** -> **Network** | View the state of the repository |
| **Pull** request | Import changes from one branch to another branch.  Ask a repository (the requester does not have permissions to) whether changes can be pulled |
| **Merge** request | Merges changes from one branch to another |
| **Compare & pull request** button | Visible from the “parent” |
| **Fork** | Makes a copy of a repository (including history) to another Github account. |
| **Issues** | Post comments, report bugs about the repository; Can drag image files to the editor; |
| Markdown syntax | [link label/description]  Reference link  <https://guides.github.com/features/mastering-markdown/> |
| **fixes** #issue number | #issue number: refers to an issue in a commit comment  fixes is a keyword that closes an issue |
| Unix commands | cd, pwd, ls, clear, open, ls –all, ls –l  dragging files to the terminal window to complete the location of the file |
| **git clone** | Makes a copy of an existing repository on the computer.  Can find the url by clicking the *Clone or download* button on Github |
| **git status** | Status of the current git repository |
| **git commit** | -a commits all changes  -m adds a message to the commit |
| **git config** | --list: lists all the git configurations |
| **git log** | -*number* : lists the last *number* of commits |
| **git push** *remote\_instance branch* | Pushes committed changes to a named branch of a repository’s remote instance. |
| git pull **origin** *branch* | Pulls changes from the remote instance into the local (computer) instance |
| **git remote** | Lists the remote instances of the repository  -v: lists verbose details of the remote instance |
| **git init** | Changes an existing directory to a git repository |
| git add | Adds files to the “staging” area in preparation for a commit command  add . : adds all files |
| **git remote add origin** url | Adds the remote instance from GitHub to the local computer listing |
| Github Pages | Allows a repository o be viewed on the internet.  Default branch should be *“gh-pages”* instead of master  To change default branch: Settings -> Branches |