

Git Bootcamp

Computer Student Society

Nate Dolny

What is Git?

- One of the many popular version control systems available



- Git is a tool used to manage code but can also be applied to any other type of document (**does not have to be code**)

Version Control

Records changes a person made to a document overtime. It can be used by one person or multiple people.

When should you use Git?

- **ALWAYS!!**
- Git is your best friend when it comes to any project big or small

Setting up Git

Create a Profile

Set Profile Name

- `git config --global user.name "Peter Parker"`

Set Profile Email

- `git config --global user.email "Parker.P@midtown.net"`

Set Default Editor

- `git config --global editor="vim"`

View our configuration (Optional)

- `git config --global list`

PRO TIP

Git allows for multiple profiles, so you could have a personal and school profile.

Command-line Text Editors

- A text editor that can run directly in a terminal without a graphical user interface



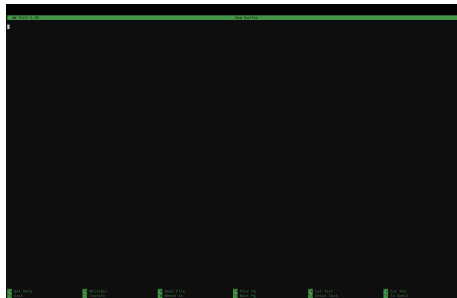
```
      :::  
iLE88Dj. :jd88888Dj:  
.LG1tE888D.f8GjjL8888E;  
iE :8888Et. .G8888.  
;i  E888,      ,8888,  
    D888,      :8888:  
    D888,      :8888:  
    D888,      :8888:  
    D888,      :8888:  
    D888,      :8888:  
    888W,      :8888:  
    W88W,      :8888:  
    W88W,      :8888:  
    DGGD:      :8888:  
          :8888:  
          :W888:  
          :8888:  
          E888i  
          tW88D
```



GNU Nano Text Editor

```
      : : :
iLE88Dj. :jd88888Dj:
.LGite888D.F8GjjjL8888E;
iE :8888Et. .G8888.
;i  E888.      ,8888,
D888,      :8888:
D888,      :8888:
D888,      :8888:
D888,      :8888:
888W,      :8888:
W88W,      :8888:
W88W:      :8888:
DGGD:      :8888:
          :8888:
          :W888:
          :8888:
          E888i
          tW88D
```

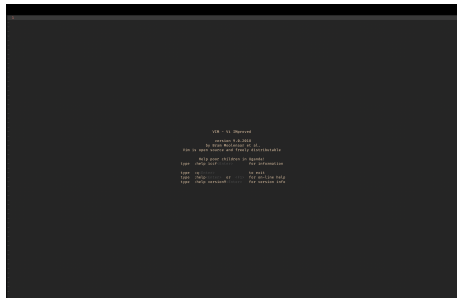
- Released in November 18, 1999
- User-friendly and easy to learn
- Developed and maintained by volunteers



Vim Text Editor



- Released in November 2, 1991
- Modal editor
- Highly customizable, many plugins available

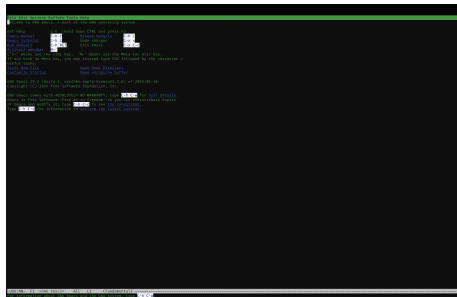


Emacs Text Editor



- Released in March 20, 1985
- Created by GNU Project founder Richard Stallman
- Highly customizable

- Many modes for different purposes such as browsing the web



What makes a good commit?

- Detailed messages that someone can read that informs others about the changes you made to a document.

```
Changes 4000 lines of code  
> git commit -m "minor changes"  
> git push origin main  
Leaves
```



What makes a good commit?

A better approach to making commits

- *Title*: Add a topic
- *Changes*: Add details about changes made to file(s)
- *State*: Add a brief summary of the state of program or feature
- *TODO*: Make notes about things to fix

PRO TIP

Pretend you are sending an email to your friends, group mates, or professor informing them of the changes you made to the document.