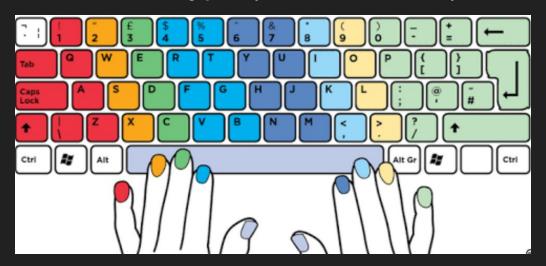


JUSTIN EDGAR

#### Prerequisites

- Have Git installed
- Have Neovim installed (latest version)
- Know how to Touch-Type (learn this first)

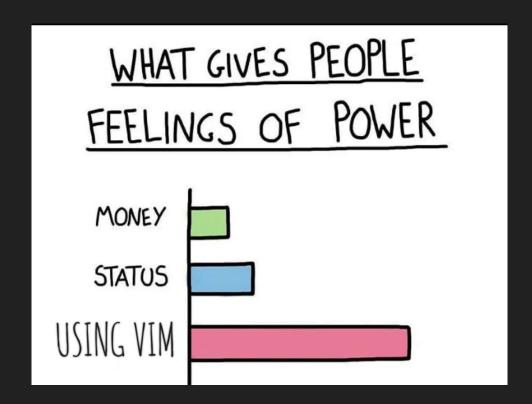


Slides + Demo + Exercises

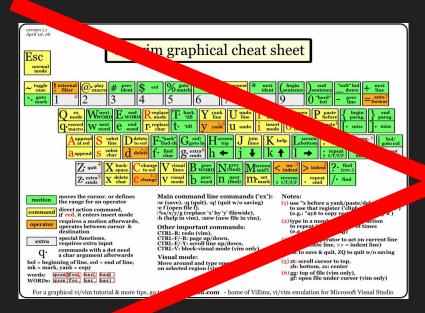
\$ git clone <a href="https://github.com/Heaveil/Vim-Talk.git">https://github.com/Heaveil/Vim-Talk.git</a>

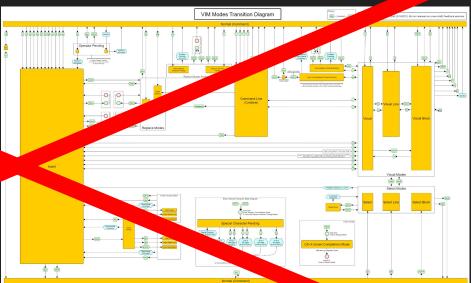
#### Outline

- Introduction
  - What is Vim and Neovim
  - Neovim and The Terminal
  - Caveats
  - Prerequisites
- Basics
  - Modes
  - Navigation
  - Motions
  - Macros
- Config & Plugin Basics
- Q&A



#### Goal





#### Goal

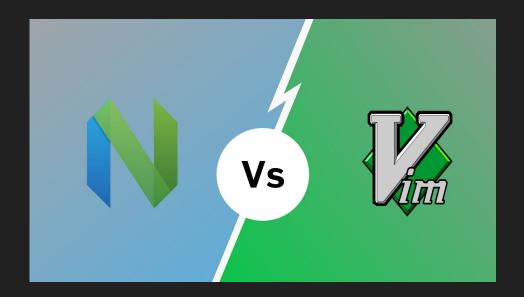


#### Goal



#### What is Vim and Neovim

- Vim is a text editor (it edits text)
- Neovim is a community fork of Vim



#### Neovim and The Terminal

- Neovim ≠ Terminal
- Neovim is a program that lives inside the terminal
- The philosophy is to never leave your terminal



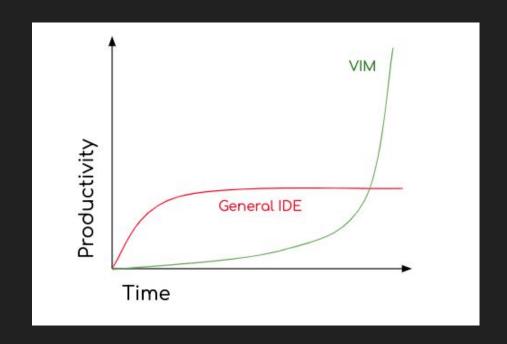
#### Why Neovim

- Mouseless Development
- Life Long Skill
- Super Efficient
- Blazingly Fast 🚀
- Vast Plugin Ecosystem
- Makes Coding Super Fun
- Bragging Rights ( I Use Neovim Btw )



#### Caveats

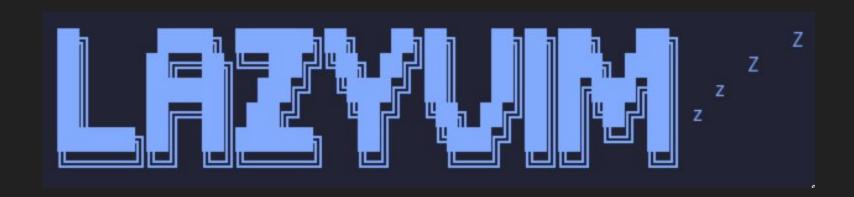
- Steep Learning Curve
- Configuration Hell



#### **Getting Started**

Kickstart: <a href="https://github.com/nvim-lua/kickstart.nvim">https://github.com/nvim-lua/kickstart.nvim</a>

Lazyvim: <a href="https://www.lazyvim.org/">https://www.lazyvim.org/</a>





Vim v1.27.3

Vim emulation for Visual Studio Code

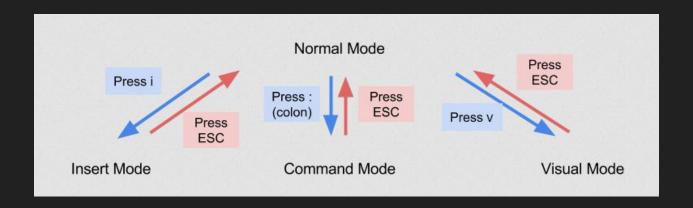
Install 8



## Let's Start!

#### Vim Modes

- Vim is a mode based editor. It has 4 main modes (Normal, Insert, Visual, Command)
- Press **esc** on any mode to go into normal mode, normal mode should be your default
- You can check out Vimtutor to learn the basics of vim and use :help to go into the friendly manual



#### Basic Navigation

#### Horizontal Navigation

- <u>w</u>ord
- end of word
- **b**ack
- ^ first character
- \$ last character

- <u>find</u> / <u>Find</u> <character>
- <u>t</u>ill / <u>T</u>ill <character>

#### **Vertical Navigation**

- ctrl-up moves cursor up ½ page
- ctrl-down moves cursor down ½ page
- ctrl-original moves cursor to previous position
- gg moves cursor to start of file
- G moves cursor to end of file

#### RELATIVE LINE NUMBERS

## <number><j/k>

#### **Insert Mode**

- insert before cursor
- Insert start of line
- <u>a</u>ppend after cursor
- Append end of line
- **o**pen new line below cursor
- Open new line above cursor

#### Visual Mode

Visual Line Mode - V

Tab left - <

Tab Right - >

Opposite End - o

Visual Block Mode - ctrl-v

Increment - ctrl-a

Global Increment - g ctrl-a

#### More Actions

- <u>d</u>elete
- <u>u</u>ndo
- ctrl-redo
- yank
- **p**aste

- replace replace a character
- Replace go to replace mode
- / go to find mode
- next find next occurrence
- **N**ext find previous occurrence

#### **Command Mode**

- Press colon ":" while in normal mode to go to command mode
- In command mode
  - w write/save
  - **q** quit
  - wq write/save and quit
  - q! quit and not save
  - e <file-name> edit a file (creates one if it does not exist)
  - line-number> goes to the line number (useful for debugging)

#### Anatomy of Vim Motions

### <verb><modifier><noun>

#### Verbs

- <u>v</u>isual
- <u>d</u>elete
- **c**hange
- **y**ank

#### Modifiers

- Numbers
- <u>t</u>ill
- <u>**f**</u>ind
- <u>i</u>nside
- <u>a</u>round

#### Nouns

- <u>hjkl</u>
- <u>w</u>ord
- () [] {}
- \_ 6677 67

#### Find and Replace (Substitute)

:<range>s/<search pattern>/<replace string>/<options>

:%s/hello/world/g → replaces every "hello" with "world"

#### Macros

- Macros are sequences of motions squished together
- To start recording a macro, press q with a key (example j)
- To end the macro recording, simply press q again
- To apply the macro, press @<key-used-to-record> (e.g. @j)
- You can type numbers before applying the macro to apply the macro n times. <number>@<key-used-to-record> (e.g. 5@j)

## Config & Plugins



## mason.nvim





#### Plugin Repos

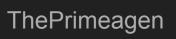
- https://github.com/nvim-telescope/telescope.nvim
- https://github.com/ThePrimeagen/harpoon/tree/harpoon2
- https://github.com/smoka7/hop.nvim
- <a href="https://github.com/nvim-neo-tree/neo-tree.nvim">https://github.com/nvim-neo-tree/neo-tree.nvim</a>
- https://github.com/lewis6991/gitsigns.nvim
- https://github.com/nvim-lualine/lualine.nvim
- https://github.com/folke/noice.nvim

#### Complimentary Tools



#### Resources







TJ DeVries



Typecraft

#### What's Next?

- If you like what you saw today, then try out Neovim. Maybe for a week or so. I
  know the first few weeks will be very challenging, but I guarantee once you
  get a hang of it, coding will be a much more enjoyable experience.
- If you only like the motion or not fully convinced yet. You can start with the vim plugin for your favorite editor. You don't have to jump into Neovim head first.
   You can take it bit by bit.
- If you don't like what you saw today, that's okay. At least, you are willing to learn something new.

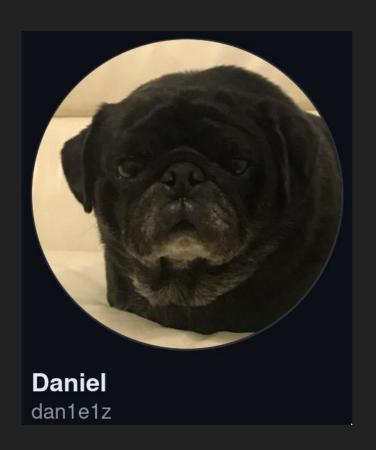
#### Tips for learning the motions

- Start with hjkl for navigation
- Use a to go to insert mode
- Use v and V to got to visual mode
- Use **d y p** to delete yank paste
- Start from these basic motions and incorporate more from here
- No one expects you to know the most efficient keystrokes when you are starting out
- Good Luck on becoming a Vim Guru :)

#### Special Thanks

- Daniel Lindsay-Shad





# Q&A