

# CLI Foo

## Tips And Tricks For The Command Line

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» **Challenge:**

In vim (no config), how many keystrokes does it take to convert this line:

*envy green gnat abjurer*

into

*rail terra tang nowhere*

(If you know, shh!)

## » About

Tips and tricks for making working on the Command-line (CLI) fun and effective.

- \* Discord: @kinbiko
- \* [github.com/kinbiko](https://github.com/kinbiko)

## » Why should I care?

- \* `power(CLI) > power(GUI)`
- \* Automation: If you can do it on the CLI you can do it in a script. (Theoretically)
- \* It's fun\* to make your own personal dev environment.
- \* Track config in GitHub  $\Rightarrow$  you can configure new computers easily.
- \* "It makes you more productive." Maybe.

## » Q: How? A: Practice & Dotfiles.

- \* Typically, config files prefixed with `.` living in `$HOME`, `$HOME/.config` or `$XDG_CONFIG_HOME`.
- \* `.bashrc`, `.zshrc`, `.vimrc`, `.gitignore`, `.*rc`, etc.
- \* Recommend storing these files in Git!

## » My personal toolbox

- \* My dotfiles are public: `github.com/kinbiko/dotfiles`
- \* Almost  $2^{10}$  commits
- \* More than  $2^3$  years of contributions.

## » Alacritty: Terminal

- \* Supports transparency
- \* Live-updating config
- \* Allows for no borders + no title bar  $\Rightarrow$  more usable screen space.
- \* FAST, and reliable (rust).

## » TMUX: Windows and panes and sessions

- \* Split your screen however you want
- \* If you close your terminal, you don't lose what you were doing
- \* Quickly open URLs shown on screen



## » Zsh: Shell

- \* Default shell on many systems
- \* Excellent user manual
- \* Scriptable
- \* Aliases and custom functions
- \* Lots of community themes, not too difficult to make your own

## » Zsh: Theme

- \* Git status  $\Rightarrow$  different colors
- \* Obvious when not inside tmux
- \* Shell status code  $\neq 0 \Rightarrow$  skull emoji

# » Neovim: Text editor

- \* Like vim, but newer.
- \* Lots of plugins and configurability
- \* Lua
- \* Vim keybindings everywhere...
  - \* Browser
  - \* Shell
  - \* Obsidian
  - \* Tmux
- \* Too much to cover today – can cover if there's time at the end.

» **More tools**

- \* `z` (aliased to `sd`): better `cd`
- \* `bat` – prettier `cat`
- \* `bt`op – prettier `top`
- \* `gh` `issue` `create`
- \* `direnv`: `pwd` implies `env`.
- \* `rg` – “`ripgrep`”, superfast `grep`.
- \* `espanso`: snippets everywhere (not just in your terminal/editor)

## » Git/GitHub:

- \* Diff two local files with `git diff --no-index`
- \* Global gitignore
- \* lazygit
- \* `iedit`
- \* `gh pr checks --watch`

## » FZF

- \* `prefix-s`
- \* `checkout`
- \* `bash history`
- \* `file paths`

## » Bonus: If I could start again

- \* Elegant dotfiles solution (advanced)

- \* <https://www.atlassian.com/git/tutorials/dotfiles>

## » Bonus: Tiling window-manager on MacOS

- \* yabai

- \* skhd