

Some (not so) new command line utilities

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Where is my file?

What was the name of the file where I wrote that phrase?

How can I keep track of my git repository?

How do I convert my markdown text to LaTeX?

Stay up-to-date with tools written in Haskell, Rust and Go which complement the classical UNIX command line canon.

aka “Where is my file ?”

- ▶ fast and powerful command-line fuzzy finder
- ▶ helps you quickly search for files, directories and other items
- ▶ supports integration with other command-line tools, such as bash, git, ag, and fd

fzf with bash completion

You want to run

```
$ command myfile
```

but myfile is deep in your directory hierarchy.

- ▶ enter command and **<TAB>
- ▶ choose file once found, press enter
- ▶ this will run

```
$ command somewhere/deep/myfile
```

aka “What was the name of the file where I wrote that phrase?”

- ▶ search tool for the command line, alternative to the traditional grep command.
- ▶ regular expressions and is optimized for speed, making it ideal for searching large files and directories.
- ▶ support for search and replace operations, file type filtering

rg usage

```
$ find . -name "*.md" | xargs grep myphrase
```

vs

```
$ rg -tmd myphrase
```

... and it is much faster

- ▶ terminal-based graphical user interface for Git
- ▶ easy-to-use interface for common Git operations like commit, push, and pull
- ▶ advanced features like branch management and stash management

pandoc

- ▶ command-line utility for converting files from one format to another, such as Markdown to HTML, LaTeX to Word, or EPUB to PDF.
- ▶ can also be used as a library in other programs or scripts to automate document conversion tasks

Acknowledgement

- ▶ ChatGPT for creating initial slide texts
- ▶ Discussion on this is intended for the next coffee lecture