

# VIM

Coding at The Speed of Thought

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**10 finger typing skill really help.**

Use those:

<https://www.keybr.com>

<http://zty.pe/>

# Basic Operation

# Opening Vim

- `vim <file-name>`

# How to Quit?

- :q
- :qa
- :q!

# Opening File

- :e <file>

# Writing File

- :w <file>
- :w
- :w!

# Undo & Redo

- u - undo
- CTRL-r - redo



Movement

**Think those as nouns.**

**h, j, k, l**

Move one space left, down, up or right, respectively

**Or just use arrow keys**

**f <character>, F <character>**

Move forward (f) or backward (F) onto the next occurrence of <character> on the current line

**t <character>, T <character>**

Move forward (t) or backward (T) up to the next occurrence of <character> on the current line

**w, b, e**

w - move to the beginning of the next word

b - move to the beginning of the previous word

e - move to the end of the current or next word

**0, \_, \$**

0 - move to the far-left on the current line

\_ - move to the first character on the current line

\$ - move to the last character on the current line



**gg, G**

Move to the top (gg) or bottom (G) of the file

{, }

Move to the top ({} ) or bottom ({} ) of the paragraph.

# Modes

# Modal Editor

An editor where you enter into different modes for different tasks. You already do this without noticing.

# Normal Mode

Default mode of Vim. You can always get here by pounding on ESC enough.  
This is the mode you use for moving around.

# Insert Mode

This mode is for typing. Most of the time you get here by pressing i but there are other ways (next section!)

# Visual Mode

Vim goes into visual mode whenever you have something highlighted

## Other modes

There are other modes in Vim. Ignore them for now. If you get into them, keep pressing Esc.



Editing

**Remember our nouns? These are your verbs**

**d, D**

Start deleting (d) or delete everything from the cursor to the end of the line (D).

**x, X**

Delete the character under the cursor (x) or delete the character before the cursor (X).

**v, V**

Switch to visual mode and start highlighting (v) or highlight the entire line (V).

~

Swap the case of the character under the cursor.

**i, I**

Switch to insert mode before the cursor (i), or at the beginning of the line (I)

**s, S**

Start substituting at the character under the cursor (s) or clear the line and start at the far-left edge (S). This will switch you into insert mode.



**a, A**

Switch to insert mode after the cursor (a) or at the end of the current line (A).

**c, C**

Start changing characters (c) or remove all characters after the cursor and go to insert mode (C).

**o, O**

Open a new line for editing below (o) or above (O) the current line.

**i, a**

Inside of (i) or around (a) something

**Repeat most actions with .**

# Copy, Cut & Paste

y - copy

d,x - cut

p - paste

Extra Stuff

# Window Management

CTRL-W v - split window vertically

CTRL-W s - split window horizontally

CTRL-W hjkl - move to specific windows



# Mark

m<char> - make mark

"<char> - jump to mark

# Plugin Manager

<https://github.com/junegunn/vim-plug>

# Quick Jump to Buffer, File, Line, Method

<https://github.com/junegunn/fzf.vim>

[https://github.com/ggreer/the\\_silver\\_searcher](https://github.com/ggreer/the_silver_searcher)

# Tree view file explorer

Theres native file explorer, call it with :Explore  
<https://github.com/scrooloose/nerdtree>

# Working with Git

<https://github.com/tpope/vim-fugitive>

# **Text Snippet**

<https://github.com/SirVer/ultisnips>

# **Better quick jump**

<https://github.com/justinmk/vim-sneak>

# **Asynchronous Linter**

<https://github.com/w0rp/ale>



# Browse Tag

CTRL-] find tag

CTRL-[ previous tag

<https://github.com/universal-ctags/ctags>

<https://github.com/majutsushi/tagbar>

# **Last location**

CTRL-o - previous location

CTRL-i - next location

**You really should learn tmux.**

# Thanks!

Some slides are taken from [https://github.com/treehouse/vim\\_meetup](https://github.com/treehouse/vim_meetup)

**Questions?**

# Learning Resources

- vimtutor
- <http://vimcasts.org>
- <https://github.com/mhinz/vim-galore>
- <https://github.com/romainl/idiomatic-vimrc/blob/master/idiomatic-vimrc.vim>
- <https://www.vi-improved.org>