

# Vim Quick Reference:

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## Vim General:

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- Vim Leader - Comma ','
- Ctrl + r - Redo
- F10 - Toggle insert mode
- w / b - Move forWard or Back a word
- ^ / \$ - Move to beginning or end of line
- { / } - Jump forward or back to next empty line
- H / M / L - Jump to beginning, middle, or bottom of the screen
- gg / G - Jump to beginning or end of the file
- ggVG - Select all text in a file
- Ctrl + v - Column select mode
- Ctrl + v, Select, Shift + i - Insert text into a column
- >> or << - Indent current selection left or right
- Ctrl + t or Ctrl + d - In insert mode, indent the current line left or right

## Window Splitting:

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- Alt + up or down arrow - Split Vim window horizontally
- Alt + left or right arrow - Split Via window vertically

## Window Movement:

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- Ctrl + up or down arrow - Move up or down in vim windows
- Ctrl + left or right arrow - Move left or right in vim window

## Code Folding:

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- za - Toggle current fold
- zR - Open all folds
- zM - Close all folds

## FileNames:

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- ,f - Copy the current file's filename to the buffer

## CtrlP - fuzzy file searching:

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- Ctrl + p - open CtrlP search window
- ,o - open CtrlP buffer search window
- ,p - open CtrlP most recently used and file search window
- ,[ - open CtrlP tag search window
- Ctrl + f/b - Move forward and back in the search modes
- Ctrl + x - open selection in a new horizontal split

## Ags Searching:

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- ,s - Search for all instances of the word under the cursor
- :Ags - Use Ag to search the current path for

- p / P - in an Ags search, navigate to next or previous file path
- r / R - in an Ags search, navigate next or previous search
- oa - in an Ags search, open below the results window

## Easymotion

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- + two letters OR „s + two letters - Easymotion to two letter matches
- „l - Easymotion to the start of a line
- „w - Easymotion to the start of a word
- (z)/ + searchString - (Fuzzy) forward search for searchString in current windows
- (z)? + searchString - (Fuzzy) backward search for searchString in current windows
  - Tab and Shift-Tab - During a search to navigate to matches
  - n/N - After a search to navigate to matches

## NerdTree:

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- Ctrl + n - Toggle NerdTree window
- r/R - refresh cursor or root directory
- C - Set tree root to selected directory
- I - Show hidden files
- p/P - Go to parent or root directory
- K/J - Go to first / last child
- i - Open in new split
- o/O - Open node (recursively)
- x/X - Close node (recursively)
- ,nf - Find the current file in NerdTree
- cd - Change the current working directory to the selected node

## NerdCommenter:

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- cc - Toggle comment
- ,cc - Comment out the selected line(s)
- ,cu - Uncomment out the selected line(s)
- ,cm - Comment block using a single multi-line comment

## Tagbar:

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- Ctrl + T - Toggle tagbar
- :UpdateTags - command to force a tag update

## Ultisnips:

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- Tab - Expand selected snippet
- Tab - Jump to next snippet section
- Shift + Tab - Jump back to past snippet section
- :UltiSnipsEdit - Open associated snippets file for edit

## Window Splits

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- , - Reduce the current split's size
- ,= - Increase the current split's size

## Cscope and Ctags Initialization

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- ,i - Initialize cscope and ctags files in Vim

## CScope

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- cscope -R -b - Generate the cscope.out database from the command line.
- Cscope - source the default cscope.out file. Can also csa ...
- csf - cs find
- Ctrl + \ then - search for item under cursor in current window
- Ctrl + space then - search for item under cursor in new horizontal split
- Search types:
  - 's' symbol: find all references to the token under cursor
  - 'g' global: find global definition(s) of the token under cursor
  - 'c' calls: find all calls to the function name under cursor
  - 't' text: find all instances of the text under cursor
  - 'e' egrep: egrep search for the word under cursor
  - 'f' file: open the filename under cursor
  - 'i' includes: find files that include the filename under cursor
  - 'd' called: find functions that function under cursor calls

## CTags

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- ctags -R . - generate a new tags file for the current directory tree
- :set tags+=tags - add the ./tags file to the tags file definition
- Ctrl + ] - Go to the definition of the current tag under the cursor
- :tag - to search the tags file for the tag
- CtrlP can also search tags - see its section for info