

# EDIT TEXT... FASTER

CALEB MEYER

# KEY SEQUENCES AND CHORDS

- A bit of terminology before we start
- A key sequence is a set of keys pressed one after the other
- You can also press more than one key at once, such as when you copy or paste
- That's a key chord

# THE PROBLEM

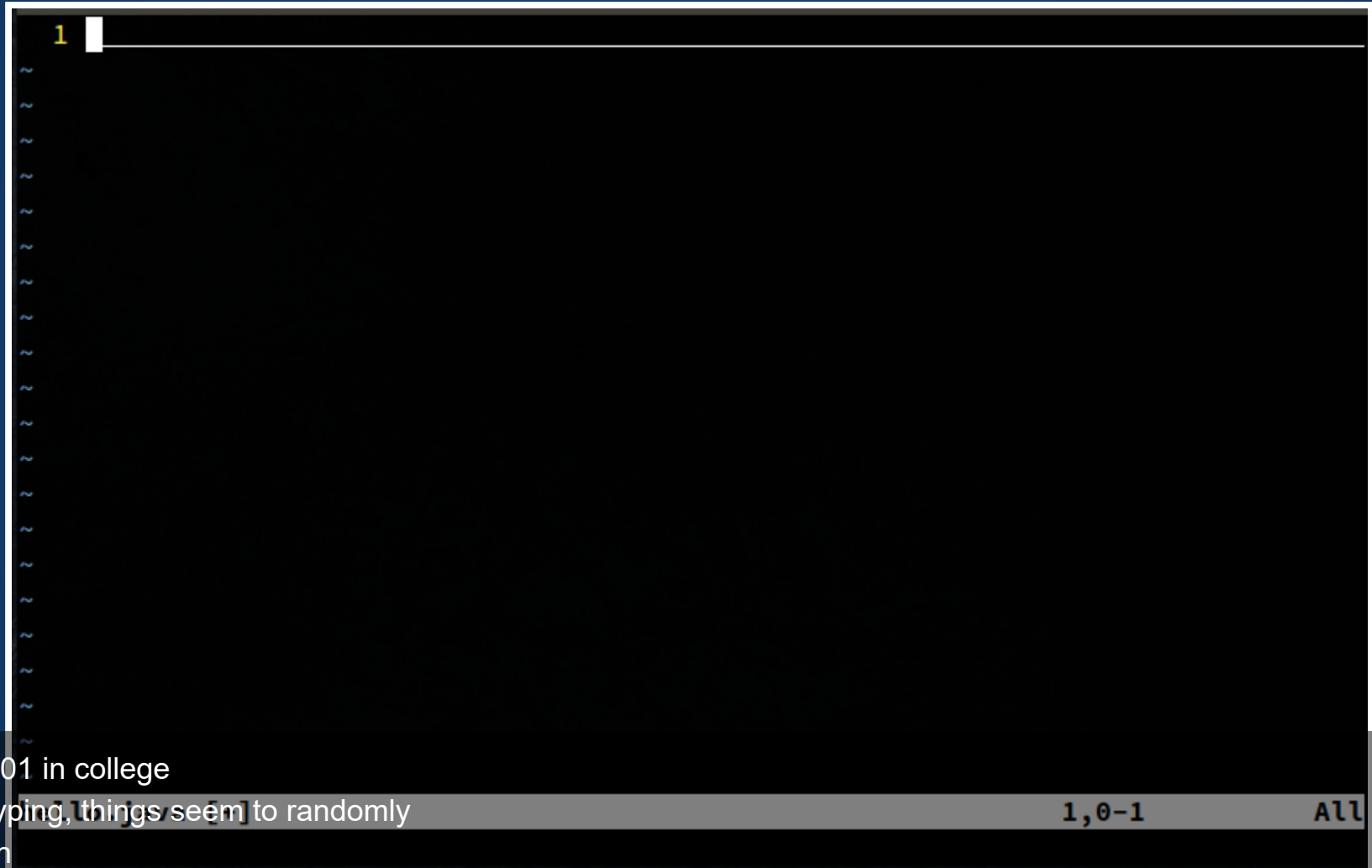
## (BEING AND FEELING SLOW)

- I want to move this line up two lines
- so that will be...
- 10 seconds of mousing, and clicking edit - copy and edit - paste
- or home, shift-end, ctrl-x, up arrow, up arrow, end, enter, ctrl-v
- don't even get me started on the mac keyboard version

**THERE MUST BE A  
BETTER WAY!**

# LET'S TALK ABOUT VIM

# MY FIRST VIM EXPERIENCE



- Java 101 in college
- Start typing, things seem to randomly happen
- learn `i` and `<ESC>:wq` and call it good
- this is definitely *not* a better way

# SO WHAT WENT WRONG HERE?

- My problem was I didn't understand that vim was a modal editor

# MODAL EDITING

- What is it?
- Editing with different modes
- Vim is most famous for it, but most editors have modes.

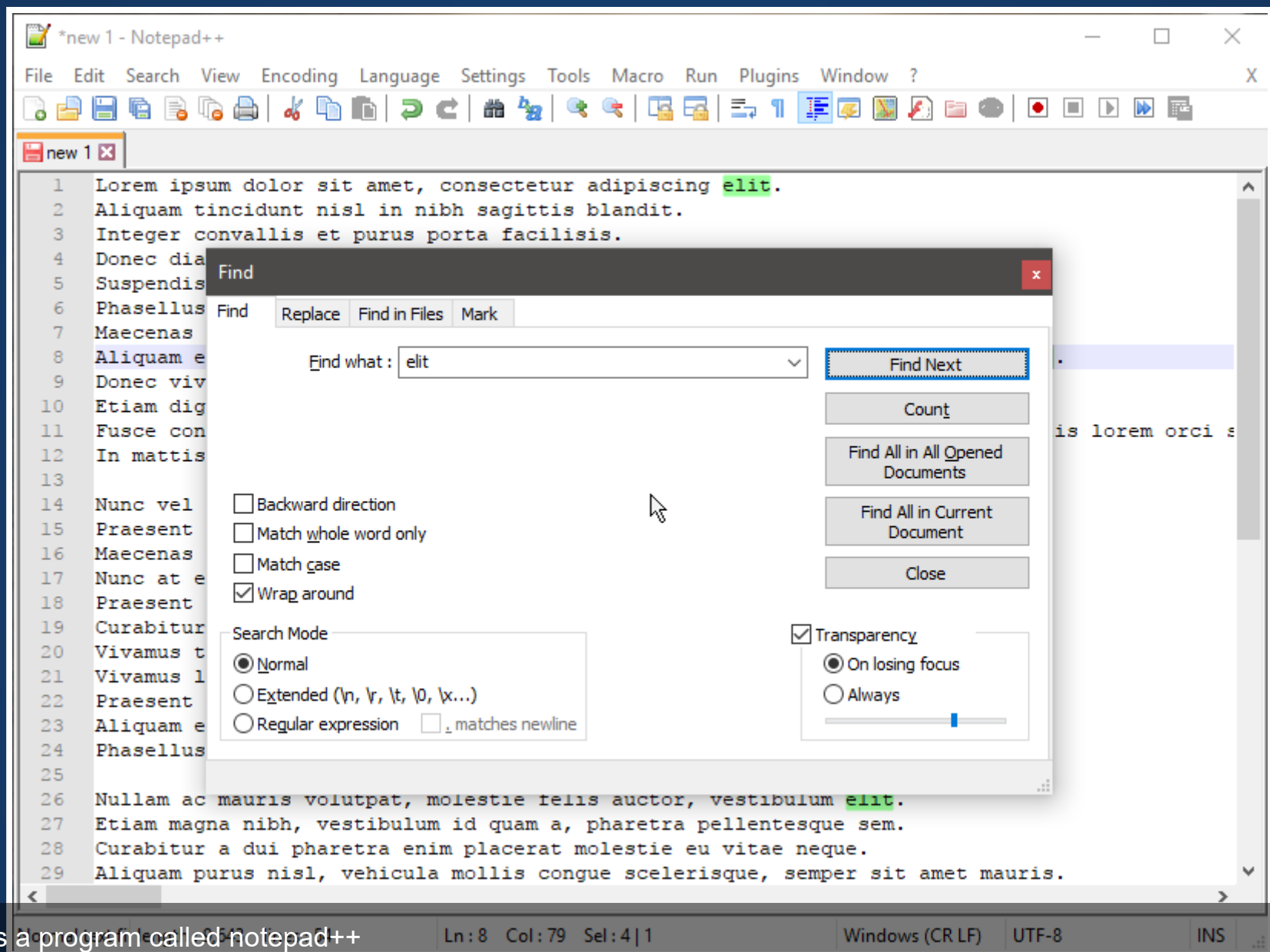


# MODAL EDITING

## (YOU ALREADY DO THIS)

You already do this, and I'm going to convince you of it.

# MODAL EDITING



- This is a program called notepad++
- Even if you've never used it, you'll probably recognize a find and replace modal
- If I hit enter here, what happens? (not a newline)

# VIM: MODES

## INSERT MODE `i`

- Insert mode is what most editors are in all the time
- The letter keys do exactly what's printed on them
- Press `i` to go into insert mode

# VIM: MODES

INSERT MODE **i**

COMMAND MODE **<ESC>**

- Command Mode (sometimes called normal mode) is a feature unique to vim and its clones
- Each letter has a special meaning, like move forward a word or join lines
- Press escape to go into command mode

# VIM: MODES

(THERE ARE MORE)

# COMMAND MODE: MOTIONS

`h(left) j(down) k(up) l(right)`



<http://www.catonmat.net/blog/why-vim-uses-hjkl-as-arrow-keys/>

# COMMAND MODE: MOTIONS

h(left) j(down) k(up) l(right)

w(ord forward)

e(nd of word)

b(ack a word)



# COMMAND MODE: MOTIONS

h(left) j(down) k(up) l(right)

w(ord forward)

e(nd of word)

b(ack a word)

t(il some character)

f(ind some character)

# COMMAND MODE: OPERATORS

`Ctrl-c`

# COMMAND MODE: OPERATORS

`Ctrl-c` → `y(ank)`

# COMMAND MODE: OPERATORS

`Ctrl-c` → `y(ank)`

`Ctrl-x`

# COMMAND MODE: OPERATORS

`Ctrl-c` → `y(ank)`

`Ctrl-x` → `d(elete)`

# COMMAND MODE: OPERATORS

`Ctrl-c` → `y(ank)`

`Ctrl-x` → `d(elete)`

`Ctrl-v`

# COMMAND MODE: OPERATORS

`Ctrl-c` → `y(ank)`

`Ctrl-x` → `d(elete)`

`Ctrl-v` → `p(aste)`

# THE TRUE LESSON



# THE TRUE LESSON

COMPOSITION OF COMMANDS

# THE TRUE LESSON

WHAT DOES `dw` DO?

# THE TRUE LESSON

WHAT DOES `dw` DO? *d(eletes) a w(ord)*

# THE TRUE LESSON

WHAT DOES `dw` DO? *d(eletes) a w(ord)*

HOW ABOUT `yt`;

# THE TRUE LESSON

WHAT DOES `dw` DO? *d(eletes) a w(ord)*

HOW ABOUT `yt` ;?

*y(anks [copies]) til semicolon*

# THE TRUE LESSON

WHAT DOES `dw` DO? *d(eletes) a w(ord)*

HOW ABOUT `yt` ;?

*y(anks [copies]) til semicolon*

WHAT HAPPENS IF WE DOUBLE UP? `dd`

# THE TRUE LESSON

WHAT DOES `dw` DO? *d(eletes) a w(ord)*

HOW ABOUT `yt` ;?

*y(anks [copies]) til semicolon*

WHAT HAPPENS IF WE DOUBLE UP? `dd`

*d(elete) d(apply to line)*

**WAIT A MINUTE...**



# WAIT A MINUTE...

## D(ELETE)

This is the first line

This is the line I want to paste above

This is the line before the line I want to move

This is the line I want to move

This is another line for good measure

# WAIT A MINUTE...

D(ELETE) D(WHOLE LINE)

This is the first line

This is the line I want to paste above


This is the line before the line I want to move

This is another line for good measure

# WAIT A MINUTE...

D(ELETE) D(WHOLE LINE) K(MOVE UP)

This is the first line

This is the line I want to paste  above

This is the line before the line I want to move

This is another line for good measure

# WAIT A MINUTE...

D(ELETE) D(WHOLE LINE) K(MOVE UP)  
K(MOVE UP)

This is the first line

This is the line I want to paste above


This is the line before the line I want to move

This is another line for good measure

# WAIT A MINUTE...

D(ELETE) D(WHOLE LINE) K(MOVE UP)  
K(MOVE UP) P(PASTE)

This is the first line

This is the line I want to move

This is the line I want to paste above

This is the line before the line I want to move

This is another line for good measure

# FIVE CHARACTERS

# FIVE CHARACTERS

(4 HOME ROW)

# FIVE CHARACTERS

(4 HOME ROW)

VS HOME, SHIFT-END, CTRL-X, UP  
ARROW, UP ARROW, END, ENTER, CTRL-V

10 KEYS, 3 CHORDS



# TAKEAWAYS

# TAKEAWAYS

## VIM IS AWESOME

- Vim lets you do things very quickly
- the commands are mnemonic

# TAKEAWAYS

VIM IS AWESOME

I'VE ONLY SCRATCHED THE SURFACE

- Every key on the keyboard does something in command mode

# TAKEAWAYS

VIM IS AWESOME

I'VE ONLY SCRATCHED THE SURFACE

YOU CAN KEEP USING YOUR EDITOR!

- I love the vim way, but I can't stand terminal vim for real editing
- I learned to use vim by turning on vintage mode in Sublime Text
- These days I use atom, and a package called vim mode plus
- Visual Studio, Visual Studio Code, Eclipse, and IntelliJ IDEA all have vim modes
- Almost every editor does

# THANK YOU

THIS PRESENTATION CAN BE FOUND AT  
[GITHUB.COM/CALEBMeyer/EDITTEXTFASTER](https://github.com/calebmeyer/edittextfaster)

## CHEAT SHEETS:

