

# Editors

## Class 6

# Overview

1. Announcements
2. Review + Exercises
3. Q&A
4. Bonus lecture - Jobs and internships
5. Basic assignment

# Announcements

- Regex assignments due February 22
- Editors assignments due March 8

# Review

- Editors are a personal choice
- I'm a Vim shill
- Vim is all about modes, motions, operators, and counts

# Quick Vim recap

- Modes
  - Normal (ESC), Command-Line (:), Insert (i, a), Replace (R), Visual (v), (Visual Block)
- Motions
  - h, j, k, l, 0, \$, w, b, e, gg, G
- Operators
  - d, c, y, p
- Counts can quantify how many of a motion or operator to do
- Other
  - x, r, u, ^r
  - / to search for patterns, n, N
- Command-Line
  - :w, :q, :wq, :x, :s, :help

# Activity

- Configure Git to use your preferred editor!
- <https://www.git-scm.com/book/en/v2/Appendix-C:-Git-Commands-Setup-and-Config>

# Bonus lecture: fields and jobs in EECS

# EECS is a **very** broad subject

- No wonder when you have EE, CE, and CS all in one acronym
- There's a lot of different ways to divy up the space: this is just my conception of it
- I'll keep it *computer*-related
  - Sorry, analog and power EEs
- **Not an all-encompassing list**



# Domains

## Computer hardware

- Physical design engineer
- RTL/ASIC design engineer
- Design verification engineer
- Computer architect

## Hardware-software twilight zone

- Embedded systems engineer
- Firmware engineer



# Domains

## Computer systems

- Systems software engineer
- Compiler engineer
- Embedded software engineer

# Domains

## Applications

- Desktop software developer 
- Mobile app developer 
- Front-end web developer
- Back-end web developer
- Full-stack developer
- Software engineer\*
- DevOps engineer
- Testing/QA engineer

# Domains

## Data science

- Data analyst
- Data engineer
- Machine learning engineer

## Other areas

- Cybersecurity
- Robotics
- Scientific computing/simulation
- Research

# Industries

- You can find these jobs in various industries
  - Tech
  - Gaming
  - Finance
  - Telecommunications
  - Defense
  - Government
  - Health care
  - and more (you'd be surprised at the opportunities in the restaurant industry)

# Internships

- Great way to get experience and build up your resume
  - I learned a lot of my practical skills on the job
- Job postings will go up during the Fall and early Winter: try to nab them!
  - That doesn't mean all hope is lost if you're applying in late February/March
  - I got my internships as a "late" applicant
  - **It doesn't cost anything to apply, unlike with college applications**
- Career fairs are not *the* only way to apply
  - You can still find success in online applications
- Interviews often have a behavioral and technical portion
  - Behavioral interview will involve questions about you as a person
  - Technical interview will test your knowledge
  - Getting an answer wrong on a technical interview isn't the end of the world: often the interviewer is just as interested in your problem-solving process

# Internships

- If your summer is open, try looking for an internship!
- If you have companies in mind, check the job postings on their website
- You can use websites like Indeed, Glassdoor, and LinkedIn to browse for jobs and see what's around
- You might find something you like based on the description!
- [r/cscareerquestions](#) can be a useful place to get some opinions on how the job market is doing

Q&A



# Basic assignment