### Resources

- **Syllabus**
- **Examples from class**
- **Command-line tutorial**
- **The missing semester of your CS education**
- **Modern Microprocessors: A 90-minute Guide**
- **GWSL**, a tool to make it easy to use graphical apps within WSL

### git and ssh

- Setting up `ssh` to connect to `cs2810.cs.dixie.edu` without typing a password:
  - Written instructions
  - Screencast demo (note, the written instructions are slightly simpler—open that page and follow along while you watch the screencast).
- `git book`
- `cheat sheet`
- Screencast on setting up PuTTY on Windows to connect to `cs2810.cs.dixie.edu`

### Learning vim

- Type `vimtutor` to launch a basic tutorial
- Screencast covering useful ways to enter insert mode

### Number conversions

- Binary and hexadecimal number systems (Khan Academy)
- Two's complement review (11:44)
- Float review (13:47)
- Converting numbers to floats (10:23)
- Python script to convert 9-bit floats into decimal fractions

### Assembly language

- ARM64 assembly language notes [html] [pdf]
- Slides from class
- Screencast: count the vowels in C
- Screencase: count the ‘a’s in ARM64
Midterm exam practice

- Binary/decimal/hex practice problems
- Two’s complement practice problems
- Float practice problems