### 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