## Resources

- **Syllabus**
- **Examples from class**
- **Command-line tutorial**
- **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](http://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](http://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](https://www.khanacademy.org))
- 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**
- **Screencast: count the ‘a’s in ARM64**
Midterm exam practice

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