### 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/computer-science/computer-programming/binary-and-hexadecimal-number-systems)
- [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](#)
- [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