POSIX

- Portable Operating System Interface
- Family of Standards
- Defines Application Programming Interface (API)
- Command line shells
- UNIX Terminal
- Cygwin
More on Languages

- Watch the WAT video!
- Discussion
- CSS
- SASS
Frameworks

- Great for rapid development
- Don't reinvent the wheel
- CodeIgniter
  - PHP Framework
  - Model View Controller (MVC)
  - Easy learning curve
  - Database Abstraction... (Magic)
Database Abstraction

- Many ways to do this.
- Object Relational Model (ORM)
  - Database mapping
  - PHP-ActiveRecord
  - Conventions
- No more need to write SQL
  - AWESOME!
Computer Security

- You could dedicate an entire major to this topic.
- If you have the chance to learn, take it.
- If you do not work in this field EVERY DAY you are not an expert. It is important to remember this.
- Passwords
  - DOD
  - Passphrases
Security cont.

- Private/Public Key Authentication
- 2 factor authentication
  - Something you have & something you know
  - Military Smart Cards
  - Dongle
- Social Hacking
  - People are weak, hackers exploit this
  - Phishing
Linux Security

- Permissions
  - Owner, Group, World
  - Read (4), Write (2), Execute (1)
- Files vs. Directories
- ACL
  - Action Control List
  - setfacl
  - getfacl
  - Built into chmod in OSX