CIS342 System Programming

Instructor Information

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- Office: CST 4-189
- Office hours: TBA

Textbook

- Recommended textbook: CSAPP
  - Computer Systems: A Programmer's Perspective
  - Randal E. Bryant and David R. O'Hallaron
- Lecture notes

Course Objectives

By the end of the semester, you should be comfortable enough with C and C++ programming in Unix environment. Reading and navigating a large software system written by others without being intimidated.

Prerequisites

- ECS102 or a semester of a programming course

Course Outcomes

Being comfortable in the Unix programming environment:

1. Introduction
2. Lab 0: Clean-slate Linux in virtual-box
3. Regular expression and vim
4. Lab 1
5. Basic C/C++
6. Gcc, linker and Make
7. Gdb
8. Lab 2
9. Syscalls
10. Lab 3