

CIS342 Systems Programming

Instructor Information

- Dr. Yuzhe Tang (ytang100@syr.edu)
- Office: CST 4-193

Textbook

- Optional 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

Grading

- Class participation (10%), Homework (60%), Exams (30%)

Course Outcomes

Being comfortable in the Unix programming environment:

1. Setting up clean-slate Linux in virtual-box
2. Bash and vim
3. Basic C/C++
4. Gcc, makefile, and gdb
5. Concept of syscalls