Introduction

Dr. Yingwu Zhu

What to learn?

- ADT design & implementation using different data structures
- Algorithm time efficiency analysis by Big-O
- ADTs' operations & applications
 Binary search trees, AVL trees, Heaps, Priority queues
- Hashing: collision resolutions & use hashing
- Sorting algorithms
 - Quicksort, Mergesort, Heapsort
- Introduction of STL
- Basic C++ concepts and skills

Communication Channels

- Course website
 - <u>http://fac-staff.seattleu.edu/zhuy</u>
 - Syllabus, tentative schedule, HW, lecture slides, supplemental materials, grading policy, ...
- SU emails

Check regularly (daily)

Programming Assignments & Labs

- Linux server: cs1.seattleu.edu
 - Use SSHClient or putty to access the server
 - SU email account and password
 - Problem? Contact Renny Philipose (philipr@seattleu.edu)
 - Work from home, NO VPN needed!
- Submission
 - Electronic submission (announced later!)
 - Ensure your program is compilable!

Labs

- ZERO tolerance for non-lab practices
 - E.g., HWs, other course's HWs
- Lab submissions
 - With deadline
 - Will be graded
 - Lab quizzes

What Do I Expect on You?

- Class participation
- Lecture reviews
- Programming practice
- Good lab performance
- Questions/Thinking: What? Why? How?

Other Info

• See Syllabus for details