Who am I?

Contact Info
Name: Albert Wong
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Background
- Senior, Computer Engineering
- 7 years experience in C, 4 years in C++

Interests
- Piano, Japanese Animation
- Software Design, Systems, Programming Languages
- Go, bughouse, video games, axolotles

Me
Albert J. Wong
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Instructors
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What is this course about?

• Data Structures and Algorithms
  - Ways to represent data
  - Actions to perform over data representations
  - Algorithm analysis
  - Algorithm/Data structure design

• Design Tradeoffs
  - Speed versus memory
  - Readability versus features
  - Java versus C++

• Java and C++ (not the main focus)
  - Intermediate/advanced Language syntax and concepts
  - Concept bleeding between languages

• Unix (not the main focus)
  - Basic code development skills
  - Experience with a different operating system

Books
Essential C++ (C++ In-Depth Series), Stanley B. Lippman, Addison-Wesley 1999, 304 pgs.
Modern C++ Design: Generic Programming and Design Patterns Applie, Andre Alexandrescu, Addison-Wesley 2001, 352 pgs.
Java in a Nutshell, David Flanagan, O'Reilly 2002, 992 pgs.


**Logistics**

- **Supported Compilers**
  - gcc-3.0.4
  - Sun jdk-1.3.1

- **Tools/ Resources specifically frowned upon**
  - Bluej
  - Visual C++
  - Visual J++
  - MSDN C++ documentation

If you decide to use any of the "frowned upon" tools, the course staff may not be able to help you.

Also, any problems in your code that results from using these tools for development will not be excused.

- **Weiss's books**
  - good for concepts
  - bad for code...very bad for code.