Overview

Hwansoo Han
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- **Classes**
  - Slides: http://arcs.skku.edu (Courses/…)
  - Programming assignment: http://icampus.ac.kr

- **Instructor**
  - Hwansoo Han
  - Corporate Collaboration Bldg. #85568
  - http://arcs.skku.edu

- **TAs**
  - Grad Students @ARCS (#85565)
Data Structures and Algorithms

A. Aho, J. Hopcroft, J. Ullman

Addison Wesley

Published in 1984

ISBN: 978-0201000238
References

- **C++ Programming Languages**
  - Googling 'C++ tutorials' provides many online C++ materials

- Programming Assignments are required to learn C++
  - Vast majority of software is now written in C++

- **C++ Primer Plus**
  - Stephen Prata
  - 5th edition (soon 6th edition)
References

- Introduction to Algorithms (3rd Ed.)
  - Cormen, Leiserson, Rivest, Stein (CLRS)
  - Most popular textbook in Algorithm classes
Grading

- Exams
  - Midterm: 30%
  - Final: 30%

- Programming Assignments
  - 30%

- Participation
  - Quizzes, attendance: 10%
Topics

- C++ tutorials
- Basic data types – array, list, ...
- Trees
- Sets
- Graphs
- Sorting
- Design Technologies
Action Items

- **Set up programming environment**
  - Linux machines – Eclipse/CDT/JRE or Text editor/g++
    - Windows – install Linux on “VirtualBox for Windows hosts”
      - [www.virtualbox.org](http://www.virtualbox.org)
  - Text editors
    - Vi, emacs, …
  - Compilers
    - GNU compilers (g++)