



Data Structures: A Pseudocode Approach with C

By Richard F. Gilberg, Behrouz A. Forouzan

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Review

Part 1: Introduction 1. Basic Concepts 2. Recursion Part 2: Linear Lists 3. Stacks 4. Queues 5. General Linear Lists Part 3: Non-Linear Lists 6. Introduction to Trees 7. Binary Search Trees 8. AVL Search Trees 9. Heaps 10. Multiway Trees 11. Graphs Part 4: Sorting and Searching 12. Sorting 13. Searching Appendices A: ASCII Tables B: Structure Charts C: Integer and Float Libraries D: Selected C Libraries E: Mathematical Series and Recursive Relations F: Array Implementations of Stacks and Queues

About the Author

Richard F. Gilberg has more than 40 years of computer science experience in industry and academia. His industrial experience includes the development of large application systems, database administration, system testing, and data administration. After leaving the industry, he joined De Anza College as a professor of computer science. In addition to this text, he has also co-authored several others including Computer Science: A Structured Approach Using C, Computer Science: A Structured Approach Using C++, and Data Structures: A Pseudocode Approach with C++.

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