



Bookshelf

1998

Schaum's Outlines Fundamentals of Computing with C++

John R. Hubbard

University of Richmond, jhubbard@richmond.edu

Follow this and additional works at: <http://scholarship.richmond.edu/bookshelf>



Part of the [Computer Sciences Commons](#), and the [Mathematics Commons](#)

Recommended Citation

Hubbard, John R. *Schaum's Outlines Fundamentals of Computing with C++*. New York: McGraw-Hill, 1998.

NOTE: This PDF preview of *Schaum's Outlines Fundamentals of Computing with C++* includes only the preface and/or introduction. To purchase the full text, please click [here](#).

This Book is brought to you for free and open access by UR Scholarship Repository. It has been accepted for inclusion in Bookshelf by an authorized administrator of UR Scholarship Repository. For more information, please contact scholarshiprepository@richmond.edu.

SCHAUM'S OUTLINE OF
THEORY AND PROBLEMS

of

**FUNDAMENTALS
OF COMPUTING
WITH C++**



JOHN R. HUBBARD, Ph.D.

*Professor of Mathematics and Computer Science
University of Richmond*



SCHAUM'S OUTLINE SERIES

McGRAW-HILL

*New York San Francisco Washington, D.C. Auckland Bogotá Caracas Lisbon
London Madrid Mexico City Milan Montreal New Dehli
San Juan Singapore Sydney Tokyo Toronto*

Preface

Like all Schaum's Outline Series books, this is intended to be used primarily for self study, preferably in conjunction with a regular course in the fundamentals of computer science using the new ANSI/ISO Standard C++. The book covers topics from the following fundamental units of the 1991 A.C.M. Computing Curricula:

- AL1: Basic Data Structures
- AL2: Abstract Data Types
- AL3: Recursive Algorithms
- AL4: Complexity Analysis
- AL5: Complexity Classes
- AL6: Searching and Sorting

The book includes over 500 examples and solved problems. The author firmly believes that computing is learned best by practice, following a well-constructed collection of examples with complete explanations. This book is designed to provide that support.

Source code for the examples and solved problems in this book may be downloaded from the author's World Wide Web home page:

<http://www.richmond.edu/~hubbard/>

This site will also contain any corrections and addenda for the book.

I wish to thank all my friends, colleagues, students, and the McGraw-Hill staff who have helped me with the critical review of this manuscript. Special thanks to Anita Hubbard, Jim Simons, and Maureen Walker. Their debugging skills are gratefully appreciated.

JOHN R. HUBBARD
Richmond, Virginia