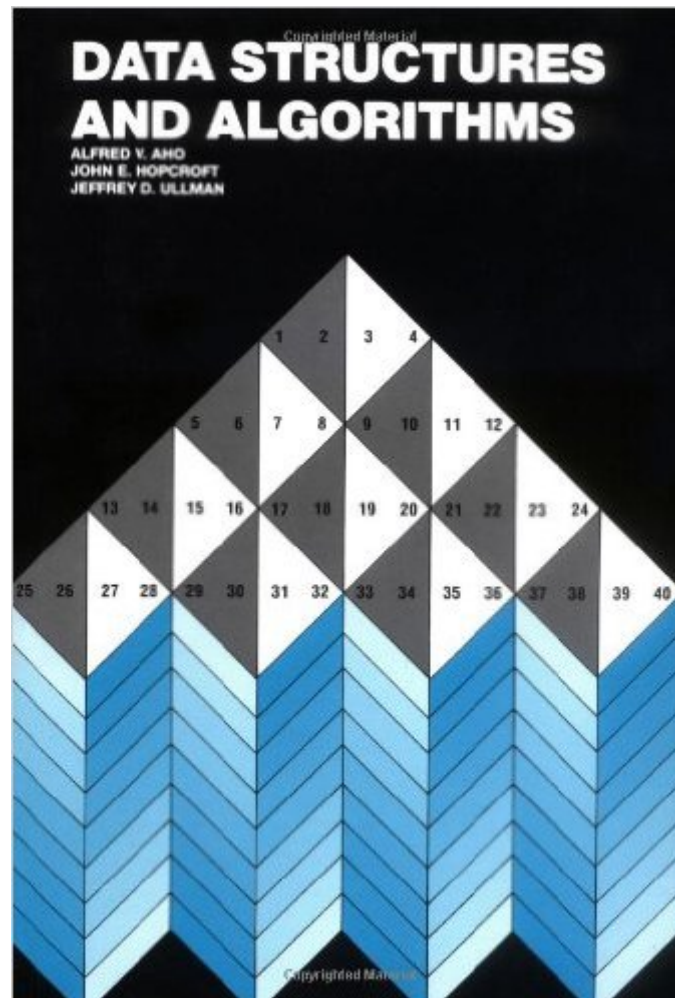The book was found

Data Structures And Algorithms

Synopsis

The authors' treatment of data structures in Data Structures and Algorithms is unified by an informal notion of "abstract data types," allowing readers to compare different implementations of the same concept. Algorithm design techniques are also stressed and basic algorithm analysis is covered. Most of the programs are written in Pascal.

Book Information

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Customer Reviews

A textbook by Aho/Hopcroft/Ullman is sort of a guarantee of quality - and this one is no exception. These people are among the greatest researchers and teachers in Computer Science, and this book is a great opportunity to 'learn from the masters'. As an introduction to the fascinating field of Data Structures and Algorithms, this is perhaps the best textbook you'll find out there. Starting with the basics, the authors develop the concepts in a natural manner. Array, lists and stacks soon give way to binary trees, heaps and then more advanced data structures. All data structures are introduced with proper motivation in terms of the kind of problems that they are useful in solving. The basic algorithms in searching, sorting, and graphs are then presented in detail, followed by a chapter on algorithm analysis techniques, and one on design paradigms such as dynamic programming, backtracking, divide and conquer, greedy approach, and local search. The book ends with chapters data structures and algorithms for external storage and memory management. This is a textbook, and therefore you can expect a fair amount of maths in the analysis of algorithms, without which you can only do hand-waving. All algorithms are explained, with detailed examples

and illustrations - this is one of the easiest books to follow in theoretical computer science. All algorithms are presented in pseudocode, which makes it easier to understand things at an abtract level without getting bogged down in language specific technical details, and the pseudocode is very clear and concise, making it an easy task to adapt it to any given language.

Algorithms in C, Parts 1-5 (Bundle): Fundamentals, Data Structures, Sorting, Searching, and Graph Algorithms (3rd Edition) Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault Data Structures and Algorithms Made Easy: Data Structure and Algorithmic Puzzles Data Structures and Algorithms Made Easy in Java: Data Structure and Algorithmic Puzzles Swift: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in ... mining, software, software engineering,) Java Programming Box Set: Programming, Master's Handbook & Artificial Intelligence Made Easy; Code, Data Science, Automation, problem solving, Data Structures & Algorithms (CodeWell Box Sets) Ruby Programming Box Set: Programming, Master's Handbook & Artificial Intelligence Made Easy; Code, Data Science, Automation, problem solving, Data Structures & Algorithms (CodeWell Box Sets) Java Programming: Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in 24 ... design, tech, perl, ajax, swift, python) Ruby: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in 24 ... design, tech, perl, ajax, swift, python) The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved Business Performance, Life Decisions & More! Interviewing in Swift: Algorithms and Data Structures: Your guide in helping you prepare for the real world of software engineering interviews as an iOS or Mac OS developer. Data Structures and Algorithms in C++ An Introduction to Data Structures and Algorithms (Progress in Theoretical Computer Science) Data Structures and Algorithms The Garbage Collection Handbook: The Art of Automatic Memory Management (Chapman & Hall/CRC Applied Algorithms and Data Structures series) Data Structures and Algorithms in Java (2nd Edition) Swift Artificial Intelligence: Made Easy, w/ Essential Programming; Learn to Create your * Problem Solving * Algorithms! TODAY! w/ Machine Learning & Data Structures (Artificial Intelligence Series) Algorithms: C++: Data Structures, Automation & Problem Solving, w/ Programming & Design (app design, app development, web

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