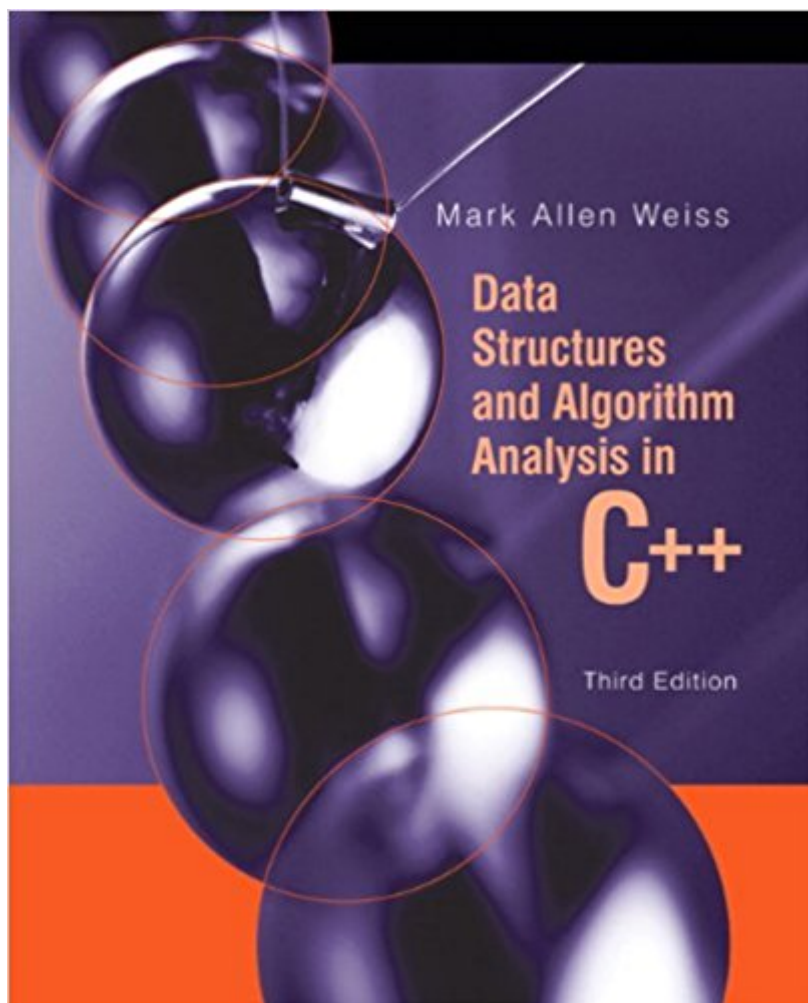The book was found

Data Structures And Algorithm Analysis In C++ (3rd Edition)

Synopsis

In this text, readers are able to look at specific problems and see how careful implementations can reduce the time constraint for large amounts of data from several years to less than a second. Class templates are used to describe generic data structures and first-class versions of vector and string classes are used. Included is an appendix on a Standard Template Library (STL). This text is for readers who want to learn good programming and algorithm analysis skills simultaneously so that they can develop such programs with the maximum amount of efficiency. Readers should have some knowledge of intermediate programming, including topics as object-based programming and recursion, and some background in discrete math.

Book Information

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Customer Reviews

Advanced Data Structures/Algorithms C++ Ã Â Data Structures and Algorithm Analysis in C++, 3/e Mark Allen Weiss, Florida International University ISBN : 0-321-37531-9 Ã Â Mark Allen Weiss teaches readers to reduce time constraints and develop programs efficiently by analyzing an algorithmÃ¢â ¬â„¢s feasibility before it is coded. His innovative approach to advanced algorithms and data structures simultaneously develops sound algorithm analysis and programming skills. Ã Â The Third Edition features a full C++ language update and incorporation of the Standard Template Library. There is new treatment of lists, stacks, queues, and trees, and an entire chapter dedicated to amortized analysis and advanced data structures such as the Fibonacci heap. Ã Â Highlights of the Third Edition Ã¢â ¬Â¢ All code has been updated and tested to ensure compliance with the

ANSI/ISO C++ standards Ã Â Ã¢â ¬Â¢ Standard Template Library fully incorporated throughout the text Ã Â Ã¢â ¬Â¢ Completely revised coverage of lists, stacks, and queues in Chapter 3 Ã Â Ã¢â ¬Â¢ Readability enhanced by fresh interior design with new figures and examples Ã Â Ã¢â ¬Â¢ End-of-chapter exercises, ranked by difficulty, reinforce key chapter concepts Ã Â Ã Â Visit aw.com/computing for more information about Addison-Wesley computing books.

If you can understand all the examples in this book, then you're name is Mark Allen Weiss. You will need other references unless you have a good instructor that can explain it to you. Are there better books on Algorithms available? Not that I have found. The code that Weiss has available from his website may or may not be complete. For example, the Vector class is missing line 71 "int numToCopy = newCapacity < theSize ? newCapacity : theSize;".Weiss is releasing a new version of this in fall of 2011.A good supplement to go along with this book is Clifford Shaffer's "A Practical Introduction to Data Structures and Algorithm Analysis: Third Edition". Shaffer offers his book for free on his website at Virginia Tech."Introduction to Algorithms, Third Edition" by Cormen, Leiserson, Rivest and Stein is good.

I had to get this book for a algorithms course and it was a complete waste of money. There was nothing (to my knowledge) in this book that you couldn't find on the internet for free. It had some interesting exercises but for the price I would expect much more

Rapid delivery & high quality.

the book is brand new

The algorithms and data structures in this book are presented very efficiently and clearly. It is one of the best algorithm books I've read. Although it doesn't get too deep into the creation of these algorithms and data structures, it sure explains their purpose and analyses clearly. Rather the book is very broad and gives insight to a variety of very important concepts. I would highly recommend this for anything learning basic algorithms.I believe Weiss provides a bunch of code in C++ that go along with the book. I don't know where to find it because it was just given to me by my professor, but the code for his data structures and algorithms is super efficient and clean. If you want to study the implementation of a certain algorithm, I would recommend looking over Weiss' code as it's very no frills and clear.

I was required to get this book for my CS3 class. I found the explainations to be the best part of the book and I was able to understand the topic better after reading about it. The code examples I thought were too complex and hard to follow so I would often just skim over the examples.

I ordered this book for my CS class. It was significantly cheaper here than it was at the university bookstore. I haven't actually read any of it yet as it hasn't been assigned, but I will be soon.

Book is as described. No problems. Worked out great. Was the exact edition needed for my classes. Pages not bent at all.

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