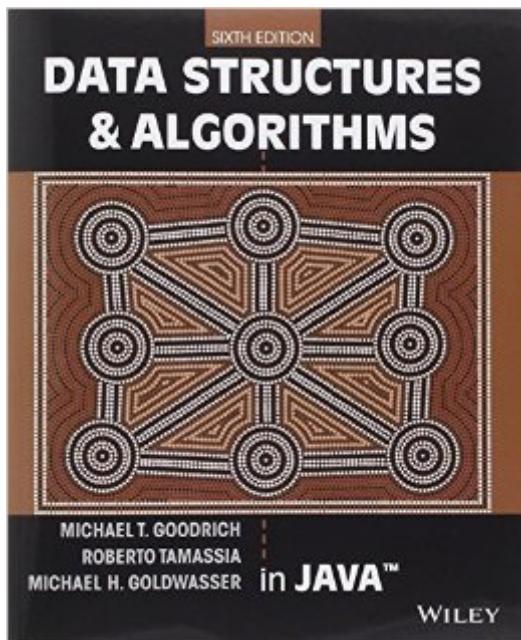


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Data Structures And Algorithms In Java



Synopsis

The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, `net.datastructures`. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java Collections Framework.

Book Information

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Customer Reviews

I recently read this book to brush up on comp sci fundamentals and prepare for technical interviews. It's been 20 years since my undergrad years and this book helped so much for me to get up to speed that I felt I should leave a review. I really enjoyed it and I thought the writing was very smooth considering the subject. Usually these books tend to be very dry and boring. I felt that the material was very well organized and the authors chose very good examples and gave information on smaller subjects very carefully. I recommend this book unreservedly.

The best way to truly understand a data structure or an algorithm is to write the real code and debug

it. Comparing with Introduction to Algorithms and Algorithms (4th Edition), this book has Java implementation for nearly all fundamental ADTs and algorithms. I strongly recommend this book to who are learning algorithms by self.

I have read several books on algorithms and data structures. This book really stands out as a practical book with very useful examples. It might not be as mathematically verse as some students or instructors are looking for but it definitely is amazingly useful for understanding the concepts. I also really like the layout and print of this book.

So far it has been a very helpful book. The code examples are logical and the companion site with the full source code has also been helpful.

THIS is the book to get. It's like the bible of computer science data structures. I bought it for my sophomore level undergraduate course and a book has never been so impactful as this one was. My teacher was awful and this book is the reason why I passed that class, and actually understand basic data structures to this day. The way each chapter explicitly describes every/any data structure you could probably think of is so helpful. Not to mention visuals are included - I never understand why other books don't include data structure visuals. Nice that some algorithms are included as well. THANK YOU

awesome book. great for beginners and intermediate. you will definitely understand the topics.

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