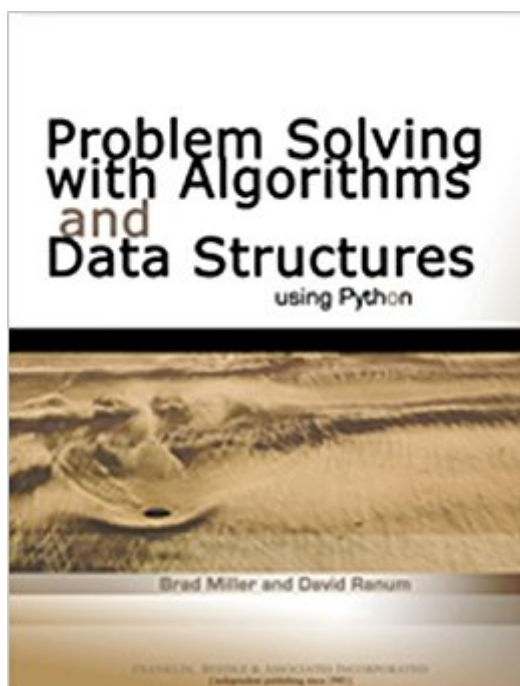The book was found

Problem Solving With Algorithms And Data Structures Using Python

Synopsis

THIS TEXTBOOK is about computer science. It is also about Python. However, there is much more. The study of algorithms and data structures is central to understanding what computer science is all about. Learning computer science is not unlike learning any other type of difficult subject matter. The only way to be successful is through deliberate and incremental exposure to the fundamental ideas. A beginning computer scientist needs practice so that there is a thorough understanding before continuing on to the more complex parts of the curriculum. In addition, a beginner needs to be given the opportunity to be successful and gain confidence. This textbook is designed to serve as a text for a first course on data structures and algorithms, typically taught as the second course in the computer science curriculum. Even though the second course is considered more advanced than the first course, this book assumes you are beginners at this level. You may still be struggling with some of the basic ideas and skills from a first computer science course and yet be ready to further explore the discipline and continue to practice problem solving. We cover abstract data types and data structures, writing algorithms, and solving problems. We look at a number of data structures and solve classic problems that arise. The tools and techniques that you learn here will be applied over and over as you continue your study of computer science. --This text refers to an alternate Paperback edition.

Book Information

Paperback: 357 pages

Publisher: Franklin Beedle & Associates (September 1, 2005)

Language: English

ISBN-10: 1590280539

ISBN-13: 978-1590280539

Product Dimensions: 9.3 x 7.5 x 0.7 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 4.5 out of 5 stars   19 customer reviews

Best Sellers Rank: #297,275 in Books (See Top 100 in Books)   #52 inÂ Books > Computers & Technology > Programming > Algorithms > Data Structures   #83 inÂ Books > Textbooks > Computer Science > Algorithms   #310 inÂ Books > Computers & Technology > Programming > Languages & Tools > Python

Customer Reviews

Great Book really helping me with my studies!

Extremely clear, and reader-friendly without sacrificing depth and breadth of topics. Covers classic/important cs problems in addition to helping consolidate Python syntax

This is a well written nice book to have. I found it easy to read ..wish if it could cover more subject

This book is excellent for people who have had little experience on algorithms and at the same time gives access to more in depth knowledge using Python..

Author jumps around a bit on fundamental concepts/examples, but fairly good book to learn programming in Python.

Good condition. Very good

Its free online and interactive -> [...]The material in the book is wonderful. But you don't need to purchase it.

I am a self taught Ruby programmer and have had a difficult time teaching myself algorithms. The other textbooks I've tried lost me with formal math notation and difficult to read pseudocode. This book is much more approachable and takes advantage of modern web features to teach the content.Some code examples can be dynamically modified and run in the browser, video solutions to 'self checks' are embedded in the chapters, and there are also some nice quizzes sprinkled in the chapters.If you don't have a formal computer science education and want to teach yourself algorithms, I think this is the best place to start, even if you don't know anything about Python.

Python: The Complete Python Quickstart Guide (For Beginner's) (Python, Python Programming, Python for Dummies, Python for Beginners) Python: Programming: Your Step By Step Guide To Easily Learn Python in 7 Days (Python for Beginners, Python Programming for Beginners, Learn Python, Python Language) Problem Solving with Algorithms and Data Structures Using Python Hacking with Python: Beginner's Guide to Ethical Hacking, Basic Security, Penetration Testing, and Python Hacking (Python Programming, Hacking, Python Coding, Python and Hacking Book 3) PYTHON: PYTHON'S COMPANION, A STEP BY STEP GUIDE FOR BEGINNERS TO START CODING TODAY! (INCLUDES A 6 PAGE PRINTABLE CHEAT SHEET)(PYTHON FOR

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