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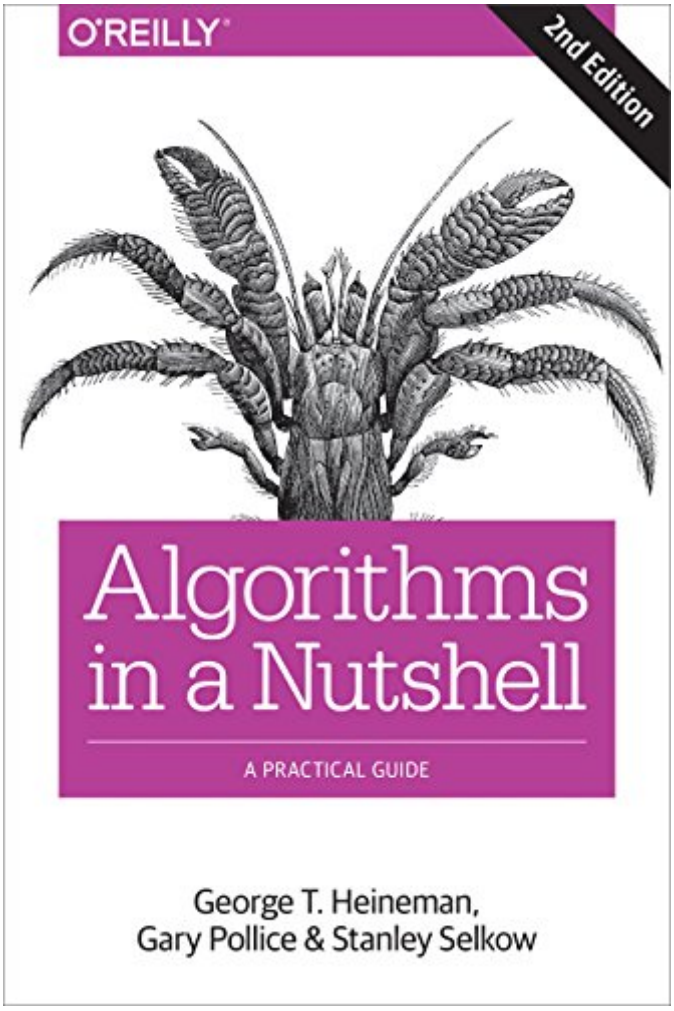
Algorithms In A Nutshell: A Practical Guide



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Synopsis

Creating robust software requires the use of efficient algorithms, but programmers seldom think about them until a problem occurs. This updated edition of Algorithms in a Nutshell describes a large number of existing algorithms for solving a variety of problems, and helps you select and implement the right algorithm for your needsâ ”with just enough math to let you understand and analyze algorithm performance.With its focus on application, rather than theory, this book provides efficient code solutions in several programming languages that you can easily adapt to a specific project. Each major algorithm is presented in the style of a design pattern that includes information to help you understand why and when the algorithm is appropriate.With this book, you will:Solve a particular coding problem or improve on the performance of an existing solutionQuickly locate algorithms that relate to the problems you want to solve, and determine why a particular algorithm is the right one to useGet algorithmic solutions in C, C++, Java, and Ruby with implementation tipsLearn the expected performance of an algorithm, and the conditions it needs to perform at its bestDiscover the impact that similar design decisions have on different algorithmsLearn advanced data structures to improve the efficiency of algorithms

Book Information

File Size: 9925 KB

Print Length: 390 pages

Simultaneous Device Usage: Unlimited

Publisher: O’Reilly Media; 2 edition (March 22, 2016)

Publication Date: March 22, 2016

Sold by:Â Digital Services LLC

Language: English

ASIN: B01DAWPK6S

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #393,813 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #189 inÂ Kindle Store > Kindle eBooks > Computers & Technology > Programming > Java #225 inÂ Kindle Store > Kindle eBooks > Computers & Technology > Programming > C & C++ #322

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Customer Reviews

The visuals are great. I do mean great. I really like haven't seen any algo book with better ones. I did know most of the stuff the authors cover from class, but I wish I had this as the textbook. Things are just immediately clear. This was recommended to me from another algo book Commodity Algorithms and Data Structures in C++: Simple and Useful, which I also like.On the negative side, the book seems like a dumbed down version of Cormen. But I think this a good thing. With such killer visuals these guys can write about anything and get is right. I am studying for programming interviews now, and this is a good refresher.

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