[MOST WISHED] Common-Sense Guide to Data Structures and Algorithms, A by J Wengrow

The Pragmatic Programmers

A Common-Sense Guide to
Data Structures and Algorithms

Level Up Your Core
Programming Skills

Jay Wengrow
edited by Brian MacDonald

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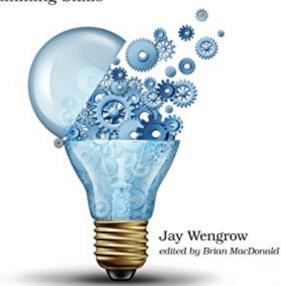
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- Author : J Wengrow

Description

If you last saw algorithms in a university course or at a job interview, you re missing out on what they can do for your code. Learn different sorting and searching techniques, and when to use each. Find out how to use recursion effectively., Discover structures for specialized applications, such as trees and graphs. Use Big O notation to decide which algorithms are best for your production environment. Beginners will learn how to use these techniques from the start, and experienced developers will rediscover approaches they may have forgotten., Algorithms and data structures are much more than abstract concepts. Mastering them enables you to write code that runs faster and more efficiently, which is particularly important for today s web and mobile apps. This book takes a practical approach to data structures and algorithms, with techniques and real-world scenarios that you can use in your daily production code., Graphics and examples make these computer science concepts understandable and relevant. Use Big O notation, the primary tool for evaluating algorithms, to measure and articulate the efficiency of your code, and modify your algorithm to make it faster. Find out how your choice of arrays, linked lists, and hash tables can dramatically affect the code you write., Use recursion to solve tricky problems and create algorithms that run exponentially faster than the alternatives. Dig into advanced data structures such as binary trees and graphs to help scale specialized applications such as social networks and mapping software. You ll even encounter a single keyword that can give your code a turbo boost., Jay Wengrow brings to this book the key teaching practices he developed as a web development bootcamp founder and educator. Use these techniques today to make your code faster and more scalable.

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