
Learning Javascript Data Structures And Algorithms

Twenz

Grokking Algorithms

Eloquent JavaScript

JavaScript for Data Science

Learning Functional Data Structures and Algorithms

Hands-On Data Structures and Algorithms with JavaScript

Explain ES6+JavaScript Data Structures and Algorithms Through Full-Color Diagrams

Data Structures & Algorithms in Kotlin (Second Edition)

A Novel about Developers, Digital Disruption, and Thriving in the Age of Data

Graphic Javascript Algorithms

Learning JavaScript Data Structures and Algorithms

IT Leadership in the Age of Agility

JavaScript Data Structures and Algorithms

Elm in Action

Learning JavaScript Data Structures and Algorithms

Agile Leadership Toolkit

Learning JavaScript Data Structures and Algorithms

Write efficient code that is highly performant, scalable, and easily testable using JavaScript

Level up your Go programming skills to develop faster and more efficient code

Easy Learning Data Structures & Algorithms Javascript

Add Sparkle and Life to Your Web Pages

All But My Life

Implementing Practical Data Structures in Kotlin

An Introduction to Understanding and Implementing Core Data Structure and Algorithm Fundamentals

Data Structures & Algorithms Using JavaScript
Essays from a Computer Scientist
A Modern Introduction to Programming
Graphic Learn Data Structure and Algorithm for JavaScript
Team Topologies
Bringing classic computing approaches to the Web
The Design of Design
Easy Learning Data Structures and Algorithms JavaScript (2 Edition)
A Common-Sense Guide to Data Structures and Algorithms, Second Edition
Creating Your Dojo
A Memoir
How to Be an Inclusive Leader
Functional programming for the masses
The Power of Virtual Distance
The Unicorn Project
A Seat at the Table

*Learning Javascript Data Structures
And Algorithms Twenz*

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MCCULLOUGH BEARD

Grokking Algorithms John Wiley & Sons
Understand data structures and the associated algorithms, as well as the context in which they are used. Master existing JavaScript data structures such as array, set and map and learn how to implement new ones such as stacks, linked lists, trees and graphs. All concepts are explained in an easy way, followed by examples. You will gain an in-depth knowledge of how hash tables and set data structure functions, as well as how trees and hash

maps This book is an accessible route deeper into JavaScript. Graphs being one of the most complex data structures you'll encounter. 1. Bubble Sorting Algorithm 2. Select Sorting Algorithm 3. Insert Sorting Algorithm 4. Dichotomy Binary Search 5. Unidirectional Linked List 5.1 Create and Initialization 5.2 Add Node 5.3 Insert Node 5.4 Delete Node 6. Doubly Linked List 6.1 Create and Initialization 6.2 Add Node 6.3 Insert Node 6.4 Delete Node 7. One-way Circular LinkedList 7.1 Initialization and Traversal 7.2 Insert Node 7.3 Delete Node 8. Two-way Circular LinkedList 8.1 Initialization and Traversal 8.2 Insert Node 8.3 Delete Node 9. Queue 10. Stack 11. Recursive Algorithm 12. Two-way Merge Algorithm 13. Quick Sort Algorithm 14. Binary Search Tree

14.1 Construct a binary search tree 14.2 Binary search tree In-order traversal 14.3 Binary search tree Pre-order traversal 14.4 Binary search tree Post-order traversal 14.5 Binary search tree Maximum and minimum 14.6 Binary search tree Delete Node 15. Binary Heap Sorting 16. Hash Table 17. Graph 17.1 Undirected Graph and Depth-First Search 17.2 Undirected Graph and Breadth-First Search 17.3 Directed Graph and Depth-First Search 17.4 Directed Graph and Breadth-First Search 17.5 Directed Graph Topological Sorting

Eloquent JavaScript Apress

Create classic data structures and algorithms such as depth-first search and breadth-first search, learn recursion, as well as create and use a heap data structure using JavaScript Key Features Implement common data structures and the associated algorithms along with the context in which they are used Master existing JavaScript data structures such as arrays, sets, and maps, and learn how to implement new ones such as stacks, linked lists, trees, and graphs in ES 8 Develop abstract data types to make JavaScript a more flexible and powerful programming language Book Description A data structure is a particular way of organizing data in a computer to utilize resources efficiently. Data structures and algorithms are the base of every solution to any programming problem. With this book, you will learn to write complex and powerful code using the latest ES 2017 features. Learning JavaScript Data Structures and Algorithms begins by covering the basics of JavaScript and introduces you to ECMAScript 2017, before gradually moving on to the most important data structures such as arrays, queues, stacks, and linked lists. You will gain in-depth knowledge of how hash tables

and set data structures function as well as how trees and hash maps can be used to search files in an HD or represent a database. This book serves as a route to take you deeper into JavaScript. You'll also get a greater understanding of why and how graphs, one of the most complex data structures, are largely used in GPS navigation systems in social networks. Toward the end of the book, you'll discover how all the theories presented in this book can be applied to solve real-world problems while working on your own computer networks and Facebook searches. What you will learn Declare, initialize, add, and remove items from arrays, stacks, and queues Create and use linked lists, doubly linked lists, and circular linked lists Store unique elements with hash tables, dictionaries, and sets Explore the use of binary trees and binary search trees Sort data structures using algorithms such as bubble sort, selection sort, insertion sort, merge sort, and quick sort Search elements in data structures using sequential sort and binary search Who this book is for If you're a JavaScript developer who wants to dive deep into JavaScript and write complex programs using JavaScript data structures and algorithms, this book is for you.

JavaScript for Data Science IT Revolution

Data Structures & Algorithms books by Hemant Jain is a series of books about the usage of Data Structures and Algorithms in computer programming. The book is easy to follow and is written for interview preparation point of view. In these books, the examples are solved in various languages like Go, C, C++, Java, C#, Python, VB, JavaScript and PHP. GitHub Repositories for these books. <https://github.com/Hemant-Jain-Author> Book's Composition This book introduces you to the world of data

structures and algorithms. Data structures defines the way in which data is arranged in memory for fast and efficient access while algorithms are a set of instruction to solve problems by manipulating these data structures. Designing an efficient algorithm is a very important skill that all software companies, e.g. Microsoft, Google, Facebook etc. pursues. Most of the interviews for these companies are focused on knowledge of data-structures and algorithms. They look for how candidates use concepts of data structures and algorithms to solve complex problems efficiently. Apart from knowing, a programming language you also need to have good command of these key computer fundamentals to not only qualify the interview but also excel in you jobs as a software engineer. This book assumes that you are a C language developer. You are not an expert in C language, but you are well familiar with concepts of classes, functions, arrays, pointers and recursion. At the start of this book, we will be looking into Complexity Analysis followed by the various data structures and their algorithms. We will be looking into a Linked-List, Stack, Queue, Trees, Heap, Hash-Table and Graphs. We will also be looking into Sorting, Searching techniques. In last few chapters, we will be looking into various algorithmic techniques. Such as, Brute-Force algorithms, Greedy algorithms, Divide and Conquer algorithms, Dynamic Programming, Reduction and Backtracking. . Table of Contents
 Chapter 0: How to use this book. Chapter 1: Algorithms Analysis
 Chapter 2: Approach to solve algorithm design problems Chapter 3: Abstract Data Type & C# Collections Chapter 4: Searching
 Chapter 5: Sorting Chapter 6: Linked List Chapter 7: Stack
 Chapter 8: Queue Chapter 9: Tree Chapter 10: Priority Queue

Chapter 11: Hash-Table Chapter 12: Graphs Chapter 13: String Algorithms Chapter 14: Algorithm Design Techniques Chapter 15: Brute Force Algorithm Chapter 16: Greedy Algorithm Chapter 17: Divide & Conquer Chapter 18: Dynamic Programming Chapter 19: Backtracking Chapter 20: Complexity Theory

Learning Functional Data Structures and Algorithms World Scientific

Create classic data structures and algorithms such as depth-first search and breadth-first search, learn recursion, as well as create and use a heap data structure using JavaScript About This Book Implement common data structures and the associated algorithms along with the context in which they are used Master existing JavaScript data structures such as arrays, sets, and maps, and learn how to implement new ones such as stacks, linked lists, trees, and graphs in ES 8 Develop abstract data types to make JavaScript a more flexible and powerful programming language Who This Book Is For If you're a JavaScript developer who wants to dive deep into JavaScript and write complex programs using JavaScript data structures and algorithms, this book is for you. What You Will Learn Declare, initialize, add, and remove items from arrays, stacks, and queues Create and use linked lists, doubly linked lists, and circular linked lists Store unique elements with hash tables, dictionaries, and sets Explore the use of binary trees and binary search trees Sort data structures using algorithms such as bubble sort, selection sort, insertion sort, merge sort, and quick sort Search elements in data structures using sequential sort and binary search In Detail A data structure is a particular way of organizing data in a computer to utilize resources efficiently. Data structures and

algorithms are the base of every solution to any programming problem. With this book, you will learn to write complex and powerful code using the latest ES 2017 features. Learning JavaScript Data Structures and Algorithms begins by covering the basics of JavaScript and introduces you to ECMAScript 2017, before gradually moving on to the most important data structures such as arrays, queues, stacks, and linked lists. You will gain in-depth knowledge of how hash tables and set data structures function as well as how trees and hash maps can be used to search files in an HD or represent a database. This book serves as a route to take you deeper into JavaScript. You'll also get a greater understanding of why and how graphs, one of the most complex data structures, are largely used in GPS navigation systems in social networks. Toward the end of the book, you'll discover how all the theories presented in this book can be applied to solve real-world problems while working on your own computer networks and Facebook searches. Style and approach Easy to follow guide which will cover the most used data s ...

Hands-On Data Structures and Algorithms with JavaScript IT Revolution

Practical Guidance and Inspiration for Launching, Sustaining, or Improving Any Agile Enterprise Transformation Initiative As long-time competitive advantages disappear, astute executives and change agents know they must achieve true agile transformation. In *Unlocking Agility*, Jorgen Hesselberg reveals what works, what doesn't, and how to overcome the daunting obstacles. Distilling 10+ years of experience leading agile transformation in the enterprise, Hesselberg guides you on jumpstarting change, sustaining momentum, and executing superbly on customer

commitments as you move forward. He helps you identify appropriate roles for consultants, optimize organizational structures, set realistic expectations, and measure against them. He shares first-hand accounts from pioneering transformation leaders at firms including Intel, Nokia, Salesforce.com, Spotify, and many more. - Balance building the right thing, the right way, at the right speed - Design a holistic transformation strategy using five dimensions of agility: Technology, Organizational Design, People, Leadership, and Culture - Promote agile skills, knowledge, and abilities throughout your workforce - Incorporate powerful leadership models, including Level 5, Teal, and Beyond Budgeting - Leverage business agility metrics to affect norms and change organizational culture - Establish your Agile Working Group, the engine of agile transformation - Define operating models and strategic roadmaps for unlocking agility, and track your progress You already know agile transformation is essential. Now, discover how to customize your strategy, execute on it in your environment, and achieve it.

Explain ES6+JavaScript Data Structures and Algorithms Through Full-Color Diagrams Simon and Schuster

Increase your productivity by implementing complex data structures and algorithms using JavaScript Key Features A step by step guide, which will provide you with a thorough discussion on the analysis and design of fundamental JavaScript data structures Get a better understanding of advanced concepts such as space and time complexity to optimize your code Focus more on solving the business problem and less on the technical challenges involved Book Description Data structures and algorithms are the fundamental building blocks of computer programming. They are

critical to any problem, provide a complete solution, and act like reusable code. Using appropriate data structures and having a good understanding of algorithm analysis are key in JavaScript to solving crises and ensuring your application is less prone to errors. Do you want to build applications that are high-performing and fast? Are you looking for complete solutions to implement complex data structures and algorithms in a practical way? If either of these questions rings a bell, then this book is for you! You'll start by building stacks and understanding performance and memory implications. You will learn how to pick the right type of queue for the application. You will then use sets, maps, trees, and graphs to simplify complex applications. You will learn to implement different types of sorting algorithm before gradually calculating and analyzing space and time complexity. Finally, you'll increase the performance of your application using micro optimizations and memory management. By the end of the book you will have gained the skills and expertise necessary to create and employ various data structures in a way that is demanded by your project or use case. What you will learn Build custom Back buttons embedded within your application Build part of a basic JavaScript syntax parser and evaluator for an online IDE Build a custom activity user tracker for your application Generate accurate recommendations for credit card approval using Decision Trees Simplify complex problems using a graphs Increase the performance of an application using micro-optimizations Who this book is for If you are a JavaScript developer looking for practical examples to implement data structures and algorithms in your web applications, then this book is for you. Familiarity with data structures and algorithms

will be helpful to get the most out of this book.

Data Structures & Algorithms in Kotlin (Second Edition)

Learning JavaScript Data Structures and Algorithms

Explore data structures and algorithm concepts and their relation to everyday JavaScript development. A basic understanding of these ideas is essential to any JavaScript developer wishing to analyze and build great software solutions. You'll discover how to implement data structures such as hash tables, linked lists, stacks, queues, trees, and graphs. You'll also learn how a URL shortener, such as bit.ly, is developed and what is happening to the data as a PDF is uploaded to a webpage. This book covers the practical applications of data structures and algorithms to encryption, searching, sorting, and pattern matching. It is crucial for JavaScript developers to understand how data structures work and how to design algorithms. This book and the accompanying code provide that essential foundation for doing so. With JavaScript Data Structures and Algorithms you can start developing your knowledge and applying it to your JavaScript projects today. What You'll Learn Review core data structure fundamentals: arrays, linked-lists, trees, heaps, graphs, and hash-table Review core algorithm fundamentals: search, sort, recursion, breadth/depth first search, dynamic programming, bitwise operators Examine how the core data structure and algorithms knowledge fits into context of JavaScript explained using prototypical inheritance and native JavaScript objects/data types Take a high-level look at commonly used design patterns in JavaScript Who This Book Is For Existing web developers and software engineers seeking to develop or revisit their fundamental data structures knowledge; beginners and students

studying JavaScript independently or via a course or coding bootcamp.

[A Novel about Developers, Digital Disruption, and Thriving in the Age of Data IT Revolution](#)

This fast-moving tutorial introduces you to OCaml, an industrial-strength programming language designed for expressiveness, safety, and speed. Through the book's many examples, you'll quickly learn how OCaml stands out as a tool for writing fast, succinct, and readable systems code. Real World OCaml takes you through the concepts of the language at a brisk pace, and then helps you explore the tools and techniques that make OCaml an effective and practical tool. In the book's third section, you'll delve deep into the details of the compiler toolchain and OCaml's simple and efficient runtime system. Learn the foundations of the language, such as higher-order functions, algebraic data types, and modules Explore advanced features such as functors, first-class modules, and objects Leverage Core, a comprehensive general-purpose standard library for OCaml Design effective and reusable libraries, making the most of OCaml's approach to abstraction and modularity Tackle practical programming problems from command-line parsing to asynchronous network programming Examine profiling and interactive debugging techniques with tools such as GNU gdb

Graphic Javascript Algorithms Pearson Education

The Phoenix Project wowed over a half-million readers. Now comes the Wall Street Journal Bestselling The Unicorn Project! "The Unicorn Project is amazing, and I loved it 100 times more than The Phoenix Project..."—FERNANDO CORNAGO, Senior Director Platform Engineering, Adidas "Gene Kim does a

masterful job of showing how ... the efforts of many create lasting business advantages for all."—DR. STEVEN SPEAR, author of The High-Velocity Edge, Sr. Lecturer at MIT, and principal of HVE LLC. "The Unicorn Project is so clever, so good, so crazy enlightening!"—CORNELIA DAVIS, Vice President Of Technology at Pivotal Software, Inc., Author of Cloud Native Patterns This highly anticipated follow-up to the bestselling title The Phoenix Project takes another look at Parts Unlimited, this time from the perspective of software development. In The Unicorn Project, we follow Maxine, a senior lead developer and architect, as she is exiled to the Phoenix Project, to the horror of her friends and colleagues, as punishment for contributing to a payroll outage. She tries to survive in what feels like a heartless and uncaring bureaucracy and to work within a system where no one can get anything done without endless committees, paperwork, and approvals. One day, she is approached by a ragtag bunch of misfits who say they want to overthrow the existing order, to liberate developers, to bring joy back to technology work, and to enable the business to win in a time of digital disruption. To her surprise, she finds herself drawn ever further into this movement, eventually becoming one of the leaders of the Rebellion, which puts her in the crosshairs of some familiar and very dangerous enemies. The Age of Software is here, and another mass extinction event looms—this is a story about rebel developers and business leaders working together, racing against time to innovate, survive, and thrive in a time of unprecedented uncertainty...and opportunity. "The Unicorn Project provides insanely useful insights on how to improve your technology business."—DOMINICA DEGRANDIS, author of Making Work

Visible and Director of Digital Transformation at Tasktop ———
 “My goal in writing *The Unicorn Project* was to explore and reveal the necessary but invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together.”—Gene Kim, November 2019

[Learning JavaScript Data Structures and Algorithms](#) Lioncrest Publishing

JavaScript is the native language of the Internet. Originally created to make web pages more dynamic, it is now used for software projects of all kinds, including scientific visualization and data services. However, most data scientists have little or no experience with JavaScript, and most introductions to the language are written for people who want to build shopping carts rather than share maps of coral reefs. This book will introduce you to JavaScript's power and idiosyncrasies and guide you through the key features of the language and its tools and libraries. The book places equal focus on client- and server-side programming, and shows readers how to create interactive web content, build and test data services, and visualize data in the browser. Topics include: The core features of modern JavaScript Creating templated web pages Making those pages interactive using React Data visualization using Vega-Lite Using Data-Forge to wrangle tabular data Building a data service with Express Unit testing with Mocha All of the material is covered by the Creative Commons Attribution-Noncommercial 4.0 International license (CC-BY-NC-4.0) and is included in the book's companion website

at <http://js4ds.org> . Maya Gans is a freelance data scientist and front-end developer by way of quantitative biology. Toby Hodges is a bioinformatician turned community coordinator who works at the European Molecular Biology Laboratory. Greg Wilson co-founded Software Carpentry, and is now part of the education team at RStudio

"O'Reilly Media, Inc."

This book makes JavaScript less challenging to learn for newcomers, by offering a modern view that is as consistent as possible. Highlights: Get started quickly, by initially focusing on modern features. Test-driven exercises and quizzes available for most chapters (sold separately). Covers all essential features of JavaScript, up to and including ES2019. Optional advanced sections let you dig deeper. No prior knowledge of JavaScript is required, but you should know how to program.

IT Leadership in the Age of Agility Packt Publishing

In *Team Topologies* DevOps consultants Matthew Skelton and Manuel Pais share secrets of successful team patterns and interactions to help readers choose and evolve the right team patterns for their organization, making sure to keep the software healthy and optimize value streams. *Team Topologies* will help readers discover:

- Team patterns used by successful organizations.
- Common team patterns to avoid with modern software systems.
- When and why to use different team patterns
- How to evolve teams effectively.
- How to split software and align to teams.

JavaScript Data Structures and Algorithms Hill and Wang

Completely revised and updated, this best-selling introduction to programming in JavaScript focuses on writing real applications.

JavaScript lies at the heart of almost every modern web application, from social apps like Twitter to browser-based game frameworks like Phaser and Babylon. Though simple for beginners to pick up and play with, JavaScript is a flexible, complex language that you can use to build full-scale applications. This much anticipated and thoroughly revised third edition of Eloquent JavaScript dives deep into the JavaScript language to show you how to write beautiful, effective code. It has been updated to reflect the current state of JavaScript and web browsers and includes brand-new material on features like class notation, arrow functions, iterators, async functions, template strings, and block scope. A host of new exercises have also been added to test your skills and keep you on track. As with previous editions, Haverbeke continues to teach through extensive examples and immerses you in code from the start, while exercises and full-chapter projects give you hands-on experience with writing your own programs. You start by learning the basic structure of the JavaScript language as well as control structures, functions, and data structures to help you write basic programs. Then you'll learn about error handling and bug fixing, modularity, and asynchronous programming before moving on to web browsers and how JavaScript is used to program them. As you build projects such as an artificial life simulation, a simple programming language, and a paint program, you'll learn how to:

- Understand the essential elements of programming, including syntax, control, and data
- Organize and clarify your code with object-oriented and functional programming techniques
- Script the browser and make basic web applications
- Use the DOM effectively to interact with browsers
- Harness Node.js to build

servers and utilities Isn't it time you became fluent in the language of the Web? * All source code is available online in an inter-active sandbox, where you can edit the code, run it, and see its output instantly.

Elm in Action No Starch Press

"Learning JavaScript Data Structures and Algorithms will show you how to organize your code with the most appropriate data structures available to get the job done fast, and in a logical way that is easy to maintain, refactor, and test. By using effective data structures, you can take advantage of advanced algorithms, thus making your web applications more powerful and scalable. You will learn about common software engineering data structures, such as linked-lists, trees, and graphs, and get to know how to implement them in JavaScript. You'll also master ways to use them in various types of algorithms. You will begin by finding out how to build on native JavaScript constructs, and create collections such as maps, queues, stacks, sets, graphs, and other data structures. You will then discover how to develop, analyze, and improve algorithms to search deep trees, lists, and other complex collections, as well as sorting containers of data. This practical course will guide you through a web application development cycle using a structured and disciplined approach, focusing on accuracy and efficiency as you build quality software."--Resource description page.

[Learning JavaScript Data Structures and Algorithms](#) Berrett-Koehler Publishers

Hone your skills by learning classic data structures and algorithms in JavaScript About This Book Understand common data structures and the associated algorithms, as well as the

context in which they are used. Master existing JavaScript data structures such as array, set and map and learn how to implement new ones such as stacks, linked lists, trees and graphs. All concepts are explained in an easy way, followed by examples. Who This Book Is For If you are a student of Computer Science or are at the start of your technology career and want to explore JavaScript's optimum ability, this book is for you. You need a basic knowledge of JavaScript and programming logic to start having fun with algorithms. What You Will Learn Declare, initialize, add, and remove items from arrays, stacks, and queues Get the knack of using algorithms such as DFS (Depth-first Search) and BFS (Breadth-First Search) for the most complex data structures Harness the power of creating linked lists, doubly linked lists, and circular linked lists Store unique elements with hash tables, dictionaries, and sets Use binary trees and binary search trees Sort data structures using a range of algorithms such as bubble sort, insertion sort, and quick sort In Detail This book begins by covering basics of the JavaScript language and introducing ECMAScript 7, before gradually moving on to the current implementations of ECMAScript 6. You will gain an in-depth knowledge of how hash tables and set data structure functions, as well as how trees and hash maps can be used to search files in a HD or represent a database. This book is an accessible route deeper into JavaScript. Graphs being one of the most complex data structures you'll encounter, we'll also give you a better understanding of why and how graphs are largely used in GPS navigation systems in social networks. Toward the end of the book, you'll discover how all the theories presented by this book can be applied in real-world solutions while working on

your own computer networks and Facebook searches. Style and approach This book gets straight to the point, providing you with examples of how a data structure or algorithm can be used and giving you real-world applications of the algorithm in JavaScript. With real-world use cases associated with each data structure, the book explains which data structure should be used to achieve the desired results in the real world.

Agile Leadership Toolkit Packt Publishing Ltd

Learn Data Structures & Algorithms in Kotlin! Data structures and algorithms are fundamental tools every developer should have. In this book, you'll learn how to implement key data structures in Kotlin, and how to use them to solve a robust set of algorithms. This book is for intermediate Kotlin or Android developers who already know the basics of the language and want to improve their knowledge. Topics Covered in This Book Introduction to Kotlin: If you're new to Kotlin, you can learn the main constructs and begin writing code. Complexity: When you study algorithms, you need a way to compare their performance in time and space. Learn about the Big-O notation to help you do this. Elementary Data Structures: Learn how to implement Linked List, Stacks, and Queues in Kotlin. Trees: Learn everything you need about Trees - in particular, Binary Trees, AVL Trees, as well as Binary Search and much more. Sorting Algorithms: Sorting algorithms are critical for any developer. Learn to implement the main sorting algorithms, using the tools provided by Kotlin. Graphs: Have you ever heard of Dijkstra and the calculation of the shortest path between two different points? Learn about Graphs and how to use them to solve the most useful and important algorithms.

Learning JavaScript Data Structures and Algorithms Packt Publishing Ltd

JavaScript structures and algorithm concepts and their relation. JavaScript developer wishing to analyze and build great software solutions. You'll discover how to implement data structures such as hash tables, linked lists, stacks, queues, trees, and graphs. This book covers the practical applications of data structures and algorithms to encryption, searching and sorting. It is crucial for JavaScript developers to understand how data structures work and how to design algorithms. This book and the Graphic provide that essential foundation for doing With JavaScript Data Structures and Algorithms.

Write efficient code that is highly performant, scalable, and easily testable using JavaScript Independently Published

Many Voices One Song is a detailed manual for implementing sociocracy, an egalitarian form of governance also known as dynamic governance. The book includes step-by-step descriptions for structuring organizations, making decisions by consent, and generating feedback. The content is illustrated by diagrams, examples and stories from the field.

Level up your Go programming skills to develop faster and more efficient code Packt Publishing Ltd

Learn Data Structures & Algorithms in Swift! Data structures and algorithms form the basis of computer programming and are the starting point for anyone looking to become a software engineer. Choosing the proper data structure and algorithm involves understanding the many details and trade-offs of using them, which can be time-consuming to learn - and confusing. This is where this book, Data Structures & Algorithms in Swift, comes to

the rescue! In this book, you'll learn the nuts and bolts of how fundamental data structures and algorithms work by using easy-to-follow tutorials loaded with illustrations; you'll also learn by working in Swift playground code. Who This Book Is For This book is for developers who know the basics of Swift syntax and want a better theoretical understanding of what data structures and algorithms are to build more complex programs or ace a whiteboard interview. Topics Covered in Data Structures & Algorithms in Swift *Basic data structures and algorithms, including stacks, queues and linked lists. *How protocols can be used to generalize algorithms. *How to leverage the algorithms of the Swift standard library with your own data structures. *Trees, tries and graphs. *Building algorithms on top of other primitives. *A complete spectrum of sorting algorithms from simple to advanced. *How to think about algorithmic complexity. *Finding shortest paths, traversals, subgraphs and much more. After reading this book, you'll have a solid foundation on data structures and algorithms and be ready to solve more complex problems in your apps elegantly.

Easy Learning Data Structures & Algorithms Javascript No Starch Press

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 developing software. It can provide a complete solution that acts like reusable code. In this book, you will learn how to use various data structures while developing in the ES6 + JavaScript language as well as how to implement some of the most common algorithms used with such data structures. You will get to know

arrays, lists, linkedlist together with real-world examples of your application. Then, you will learn how to create and use stacks and queues. In the following part of the book, the more complex data structures will be introduced, namely Trees and graphs, together

with some algorithms for searching the shortest path in a graph. This book is rich in examples, with beautiful pictures and texts, and step by step explains the data structure and algorithms in a way that is easy to understand.

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