
Learning Javascript Data Structures And Algorithms

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*Learning
Javascript Data
Structures And
Algorithms*

2022-02-13

DIAZ REYNOLDS

Real World OCaml Packt

Publishing Ltd
As an experienced
JavaScript developer

moving to server-side programming, you need to implement classic data structures and algorithms associated with conventional object-oriented languages like C# and Java. This practical guide shows you how to work hands-on with a variety of storage mechanisms—including linked lists, stacks, queues, and graphs—within the constraints of the JavaScript environment. Determine which data structures and algorithms are most appropriate for

the problems you're trying to solve, and understand the tradeoffs when using them in a JavaScript program. An overview of the JavaScript features used throughout the book is also included. This book covers: Arrays and lists: the most common data structures Stacks and queues: more complex list-like data structures Linked lists: how they overcome the shortcomings of arrays Dictionaries: storing data as key-value pairs Hashing: good for quick insertion and retrieval

Sets: useful for storing unique elements that appear only once Binary Trees: storing data in a hierarchical manner Graphs and graph algorithms: ideal for modeling networks Algorithms: including those that help you sort or search data Advanced algorithms: dynamic programming and greedy algorithms [Eloquent JavaScript](#) Institute for Peaceable Communities, Incorporated Summary Elm is more than just a cutting-edge

programming language, it's a chance to upgrade the way you think about building web applications. Once you get comfortable with Elm's refreshingly different approach to application development, you'll be working with a clean syntax, dependable libraries, and a delightful compiler that essentially eliminates runtime exceptions. Elm compiles to JavaScript, so your code runs in any browser, and Elm's best-in-class rendering speed will knock your socks off. Let's get started! Purchase of

the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Simply put, the Elm programming language transforms the way you think about frontend web development. Elm's legendary compiler is an incredible assistant, giving you the precise and user-friendly support you need to work efficiently. Elm applications have small bundle sizes that run faster than JavaScript frameworks and are famously easy to maintain

as they grow. The catch? Elm isn't JavaScript, so you'll have some new skills to learn. About the book Elm in Action teaches you the Elm language along with a new approach to coding frontend applications. Chapter by chapter, you'll create a full-featured photo-browsing app, learning as you go about Elm's modular architecture, Elm testing, and how to work seamlessly with your favorite JavaScript libraries. You'll especially appreciate author and

Elm core team member Richard Feldman's unique insights, based on his thousands of hours writing production code in Elm. When you're done, you'll have a toolbox of new development skills and a stunning web app for your portfolio. What's inside Scalable design for production web applications Single-page applications in Elm Data modeling in Elm Accessing JavaScript from Elm About the reader For web developers with no prior experience in Elm or functional programming.

About the author Richard Feldman is a software engineer at NoRedInk and a well-known member of the Elm community. Table of Contents PART 1 - GETTING STARTED 1. Welcome to Elm 2. Your first Elm application 3. Compiler as assistant PART 2 - PRODUCTION-GRADE ELM 4. Talking to servers 5. Talking to JavaScript 6. Testing PART 3 - BUILDING BIGGER 7. Data modeling 8. Single-page applications [The Unicorn Project](#) Pearson Education 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.

A Common-Sense Guide to Data Structures and Algorithms, Second Edition Berrett-Koehler Publishers

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. Take a practical approach to data

structures and algorithms, with techniques and real-world scenarios that you can use in your daily production code, with examples in JavaScript, Python, and Ruby. This new and revised second edition features new chapters on recursion, dynamic programming, and using Big O in your daily work. Use Big O notation 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. Youâ€™ll even encounter a single keyword that can give your code a turbo boost. Practice your new skills with exercises in every chapter, along with detailed solutions. Use

these techniques today to make your code faster and more scalable.

Level up your Go programming skills to develop faster and more efficient code No

Starch Press

Learn functional data structures and algorithms for your applications and bring their benefits to your work now About This Book Moving from object-oriented programming to functional programming? This book will help you get started with functional programming. Easy-to-understand explanations

of practical topics will help you get started with functional data structures. Illustrative diagrams to explain the algorithms in detail. Get hands-on practice of Scala to get the most out of functional programming. Who This Book Is For This book is for those who have some experience in functional programming languages. The data structures in this book are primarily written in Scala, however implementing the algorithms in other functional languages should be straight

forward. What You Will Learn Learn to think in the functional paradigm Understand common data structures and the associated algorithms, as well as the context in which they are commonly used Take a look at the runtime and space complexities with the O notation See how ADTs are implemented in a functional setting Explore the basic theme of immutability and persistent data structures Find out how the internal algorithms are redesigned to exploit structural

sharing, so that the persistent data structures perform well, avoiding needless copying. Get to know functional features like lazy evaluation and recursion used to implement efficient algorithms Gain Scala best practices and idioms In Detail Functional data structures have the power to improve the codebase of an application and improve efficiency. With the advent of functional programming and with powerful functional languages such as Scala, Clojure and Elixir

becoming part of important enterprise applications, functional data structures have gained an important place in the developer toolkit. Immutability is a cornerstone of functional programming. Immutable and persistent data structures are thread safe by definition and hence very appealing for writing robust concurrent programs. How do we express traditional algorithms in functional setting? Won't we end up copying too much? Do we trade performance for

versioned data structures? This book attempts to answer these questions by looking at functional implementations of traditional algorithms. It begins with a refresher and consolidation of what functional programming is all about. Next, you'll get to know about Lists, the work horse data type for most functional languages. We show what structural sharing means and how it helps to make immutable data structures efficient and practical. Scala is the primary

implementation languages for most of the examples. At times, we also present Clojure snippets to illustrate the underlying fundamental theme. While writing code, we use ADTs (abstract data types). Stacks, Queues, Trees and Graphs are all familiar ADTs. You will see how these ADTs are implemented in a functional setting. We look at implementation techniques like amortization and lazy evaluation to ensure efficiency. By the end of

the book, you will be able to write efficient functional data structures and algorithms for your applications. Style and approach Step-by-step topics will help you get started with functional programming. Learn by doing with hands-on code snippets that give you practical experience of the subject.

Organizing Business and Technology Teams for Fast Flow IT Revolution
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

Data Structures and Algorithms with JavaScript Prentice Hall Professional

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. [A JavaScript and jQuery Developer's Guide](#)

"O'Reilly Media, Inc."

It's not enough to say that the CIO is the geek who wears the suit, IT leaders must, now more than ever, take a seat at the table. In *A Seat at the Table*, CIO Mark Schwartz explores the role of IT leadership as it is now and opens the door to reveal IT leadership as it should be—an integral part of the value creation engine. With wit and an easy style, Schwartz reveals that the only way to become an Agile IT leader is to be courageous—to throw off

the attitude and assumptions that have kept CIOs from taking their rightful seat at the table. CIOs, step on up, your seat at the table is waiting for you.

Explain ES6+JavaScript Data Structures and Algorithms Through Full-Color Diagrams "O'Reilly Media, Inc."

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. **A Modern Introduction to Programming** Apress 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

Classic Data Structures and Algorithms in JavaScript "O'Reilly Media, Inc."

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

A Memoir Packt

Publishing Ltd

All But My Life is the unforgettable story of Gerda Weissmann Klein's six-year ordeal as a victim of Nazi cruelty. From her comfortable home in Bielitz (present-day Bielsko) in Poland to her miraculous survival and her liberation by American troops--including the man who was to become her husband--in Volary, Czechoslovakia, in 1945, Gerda takes the reader on a terrifying journey. Gerda's serene and idyllic

childhood is shattered when Nazis march into Poland on September 3, 1939. Although the Weissmanns were permitted to live for a while in the basement of their home, they were eventually separated and sent to German labor camps. Over the next few years Gerda experienced the slow, inexorable stripping away of "all but her life." By the end of the war she had lost her parents, brother, home, possessions, and community; even the dear friends she made in the

labor camps, with whom she had shared so many hardships, were dead. Despite her horrifying experiences, Klein conveys great strength of spirit and faith in humanity. In the darkness of the camps, Gerda and her young friends manage to create a community of friendship and love. Although stripped of the essence of life, they were able to survive the barbarity of their captors. Gerda's beautifully written story gives an invaluable message to everyone. It introduces them to last

century's terrible history of devastation and prejudice, yet offers them hope that the effects of hatred can be overcome.

A Guide to Productivity and Happiness in the Age of Remote Work

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.

Grokking Algorithms

Simon and Schuster

This is an exciting time to

learn JavaScript. Now that the latest JavaScript specification ECMAScript 6.0 (ES6) has been finalized, learning how to develop high-quality applications with this language is easier and more satisfying than ever. This practical book takes programmers (amateurs and pros alike) on a no-nonsense tour of ES6, along with some related tools and techniques.

Author Ethan Brown ("Web Development with Node and Express") not only guides you through simple and

straightforward topics (variables, control flow, arrays), but also covers complex concepts such as functional and asynchronous programming. You'll learn how to create powerful and responsive web applications on the client, or with Node.js on the server. Use ES6 today and transpile code to portable ES5. Translate data into a format that JavaScript can use. Understand the basic usage and mechanics of JavaScript functions. Explore objects

and object-oriented programming. Tackle new concepts such as iterators, generators, and proxies. Grasp the complexities of asynchronous programming. Work with the Document Object Model for browser-based apps. Learn Node.js fundamentals for developing server-side applications."

Learning JavaScript Data Structures and Algorithms - Second Edition Packt Publishing Ltd

This is an excellent, up-to-date and easy-to-use text

on data structures and algorithms that is intended for undergraduates in computer science and information science. The thirteen chapters, written by an international group of experienced teachers, cover the fundamental concepts of algorithms and most of the important data structures as well as the concept of interface design. The book contains many examples and diagrams. Whenever appropriate, program codes are included to facilitate learning. This

book is supported by an international group of authors who are experts on data structures and algorithms, through its website at www.cs.pitt.edu/~jung/GrowingBook/, so that both teachers and students can benefit from their expertise.

DTrace Pragmatic Bookshelf

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.

Functional programming for the masses World

Scientific 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. [Implementing Practical Data Structures in Kotlin](#) CRC 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.

Many Voices One Song

Simon and Schuster

We know why diversity is important, but how do we drive real change at work? Diversity and inclusion expert Jennifer Brown provides a step-by-step guide for the personal and emotional journey we

must undertake to create an inclusive workplace where everyone can thrive. Human potential is unleashed when we feel like we belong. That's why inclusive workplaces experience higher engagement, performance, and profits. But the reality is that many people still feel unable to bring their true selves to work. In a world where the talent pool is becoming increasingly diverse, it's more important than ever for leaders to truly understand how to

support inclusion. Drawing on years of work with many leading organizations, Jennifer Brown shows what leaders at any level can do to spark real change. She guides readers through the Inclusive Leader Continuum, a set of four developmental stages: unaware, aware, active, and advocate. Brown describes the hallmarks of each stage, the behaviors and mind-sets that inform it, and what readers can do to keep progressing. Whether you're a powerful CEO or a new employee

without direct reports, there are actions you can take that can drastically change the day-to-day reality for your colleagues and the trajectory of your organization. Anyone can—and should—be an inclusive leader. Brown lays out simple steps to help you understand your role, boost your self-awareness, take action, and become a better version of yourself in the process. This book will meet you where you are and provide a road map to create a workplace of greater mutual

understanding where everyone's talents can shine.

The Design of Design

Hill and Wang

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