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Deep Dive Deep Dive Deep Dive Deep Dive into Deep Sea: Exploring the Most Mysterious Levels of the Ocean What a Deep Dive! Cephalox the Cyber Squid Deep Dive Deep Dive! (Minecraft Woodsworld Chronicles #3) Deep Dive Deep Dive into Deep Sea Minecraft: Deep Dive (Minecraft Woodsworld Chronicles #3) Deep Diving Death at the Deep Dive A Deep Dive Into Freshwater Water People Database Internals A Deep Dive: An Expert Analysis of Police Procedure, Use of Force, and Wrongful Convictions F# Deep Dives VMware VSphere 6.5 Host Resources Deep Dive Dive Deep Dive Silent Deep Dive Deep Dive Into the Blue A Deep Dive A deep dive into Smart City Technologies and portfolio of Smart Services Why Sharks Matter PowerShell Deep Dives Fathom Bible Studies: The Bible Leader Guide: A Deep Dive Into the Story of God Game Design Deep Dive Dancer from the Dance Game Design Deep Dive: Horror Mastering Non-Functional Requirements Perl 6 Deep Dive Explore Your World: Deep Dive Into Deep Sea Transformers for Machine Learning VMware VSphere 6. 7 Clustering Deep Dive - Rubrik In the Midst of Plenty Deep Dive Meditation Deep Dive Python Machine Learning React Deep Dive

PowerShell Deep Dives Jun 25 2021 Summary Here's your chance to learn from the best in the business. PowerShell Deep Dives is a trove of essential techniques, practical guidance, and the expert insights you earn only through years of experience. Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic hand-picked the 28 chapters in the book's four parts: Administration, Scripting, Development, and Platforms. About the Technology PowerShell has permanently changed Windows administration. This powerful scripting and automation tool allows you to control virtually every aspect of Windows and most Microsoft servers like IIS and SQL Server. Here's your chance to learn from the best in the business. About this Book PowerShell Deep Dives is a trove of essential techniques and practical guidance. It is rich with insights from experts who won them through years of experience. The book's 28 chapters, grouped in four parts (Administration, Scripting, Development, and Platforms), were hand-picked by four section editors: Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic. Whether you're just getting started with PowerShell or you already use it daily, you'll find yourself returning to this book over and over. What's Inside Managing systems through a keyhole The Ten Commandments of PowerShell scripting Scalable scripting for large datasets Adding automatic remoting Provisioning web servers and websites automatically to IIS 8 And 23 more fantastic chapters Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic are joined by PowerShell experts Chris Bellee, Bartek Bielawski, Robert C. Cain, Jim Christopher, Adam Driscoll, Josh Gavant, Jason Helmick, Don Jones, Ashley McGlone, Jonathan Medd, Ben Miller, James O'Neill, Arnaud Petitjean, Vadims Podans, Karl Prosser, Boe Prox, Matthew Reynolds, Mike Robbins, Donabel Santos, Will Steele, Trevor Sullivan, and Jeff Wouters. Table of Contents PART 1 POWERSHELL ADMINISTRATION Diagnosing and troubleshooting PowerShell remoting CIM sessions 22 Collecting and analyzing performance counter data TCP port communications with PowerShell Managing systems through a keyhole Using PowerShell to audit user logon events Managing and administering a certification authority database with PowerShell Using PowerShell to reduce Active Directory token bloat PART 2 POWERSHELL SCRIPTING The 10 PowerShell scripting commandments Avoiding the pipeline A template for handling and reporting errors Tips and tricks for creating complex or advanced HTML reports with PowerShell Using and "abusing" dynamic parameters PowerShell type formatting Scalable scripting for large data sets: pipeline and database techniques Building your own WMI-based cmdlets Turning command-line tools into PowerShell tools PART 3 POWERSHELL FOR DEVELOPERS Using Source Control Software with PowerShell Inline .NET code PowerShell and XML: better together Adding automatic remoting to advanced functions and cmdlets Taming software builds (and other complicated processes) with psake PART 4 POWERSHELL PLATFORMS PowerShell and the SQL Server provider Creating flexible subscriptions in SSRS Inventory database table statistics using PowerShell SQL Server Management Objects WSUS and

PowerShell Provisioning IIS web servers and sites with PowerShell Active Directory Group Management application

A Deep Dive: An Expert Analysis of Police Procedure, Use of Force, and Wrongful

Convictions Apr 04 2022 Timothy T. Williams, Jr. is a leading national expert on police procedure and use of force. He has over 29 years of active law enforcement experience and over 40 years of experience working in the Criminal Justice System. Inside this book you'll get a sneak peak into Mr. William's extensive expert experience. Mr. Williams proudly served in the Los Angeles Police Department as a detective, ultimately ascending to the rank of Senior Detective Supervisor and retiring from the elite Robbery-Homicide Division. Mr. Williams is currently the founder and CEO of T.T. Williams, Jr. Investigations Inc., a company based in Los Angeles, California, that provides industry-leading expertise in cases throughout the United States related to police procedure, use of force, and wrongful convictions. Since the launch of his consultancy practice in 2003, he has provided expert testimony in more than 200 cases and analysis of over 1,200 cases, including several landmark cases such as the "Grim Sleeper" death penalty trial in Los Angeles and wrongful conviction cases such as the "Englewood Four" out of Chicago, Illinois. Most notably, Williams' expert analysis in the wrongful murder conviction of Kash D. Register helped to lead to the largest reported settlement, at that time, in an individual civil rights case in the history of Los Angeles, totaling \$16.7 million in restitution. Williams has been hired by some of the most recognizable names in law including The Innocence Project, The Cochran Firm, Carl Douglas, Mark Geragos, and Thomas Mesereau. Tim Williams, Jr. is an Oakland, California, native and has completed his required undergraduate Criminal Justice studies at California State University Los Angeles. He taught at Los Angeles City College in the Administration of Justice Department and is a guest lecturer at various legal and professional organizations. Mr. Williams consistently appears as an expert and contributor on various network, cable, and radio programs including 20/20, Good Morning America, CNN, CBS News, Fox News, and Inside Edition. Mr. Williams has numerous accolades and he is a nationally sought after speaker regarding police procedure, use of force, and wrongful conviction cases. In this book, you'll discover a deep dive on police procedure unlike anything you've ever read before.

Deep Dive Nov 30 2021 In *Deep Dive* Against the odds, Dorothy Myrick reveals she was the original scaredy-cat of open water. After learning to swim, it took falling off her bike to start her on a path to scuba diving. She was terrified of being in water that was merely knee deep and now she is a certified scuba diver. Her story is not just one of overcoming such a paralyzing fear, but it is also one of doing so under extraordinary circumstances. She was born with a condition of the left arm called radial hemimelia (a reduction in the radial bone of the forearm and the absence of a thumb and index finger). She recalls how she felt as a child growing up with this birth defect and how it produced an inner drive to never give up. This amazing journey of learning to scuba dive changed her life—along with the ups and downs along the way. This memoir is an example of her resolve, determination and can-do-attitude.

Deep Dive Aug 20 2023 Get competitive by learning to think strategically. The inability to set good strategy can sink a company—and a leader's career. A recent Wall Street Journal study revealed that the most sought-after executive skill is strategic thinking, but only three out of ten managers have this skill set. Horwath explains the three keys to strategic thinking, breaks them down into simple, attainable skills, and gives you practical tools to apply them every day, providing managers with a clear path to mastery of the three disciplines: 1. Acumen—generate critical insights through a step-by-step evaluation of your business and its environment 2. Allocation—focus your limited resources through strategic trade-offs 3. Action—implement a system to guarantee effective execution of strategy at all levels of your organization Based on new research with senior executives from 150 companies and the author's experience as a thought-leading strategist, *Deep Dive* is the first book to focus on the most important level of strategy—you. Armed with this knowledge and dozens of effective tools, you can become a truly strategic leader for your organization.—Rich Horwath is the president of the Strategic Thinking Institute, a former chief strategy officer, and professor of strategy at the Lake Forest Graduate School of Management. As a thought-leading strategist, he has worked with such giants as Adidas, Amgen, and Pfizer. He is the author of four books and more than fifty articles on strategic thinking and has been profiled in business publications around the world, including *Investor's Business Daily*.

Mastering Non-Functional Requirements Jan 21 2021 This book covers the most critical 24 NFRs

that are applicable to IT applications and systems. About This Book Explains three stages of nonfunctional requirements, that is, analysis, architecture, and assessment In-depth knowledge of NFR framework and taxonomy that provides guidance around the modelling phase for the NFRs Coverage of 24 critical and pivotal NFRs, including the analysis, architecture, and assessment. Who This Book Is For The primary audience for this title are the gamut of roles starting from IT consultant to chief architects who are responsible to deliver strategic, tactical, and operational engagements for fortune 100 customers worldwide. Nonfunctional requirements are the key to any software / IT program. They cannot be overlooked or ignored. The book provides a comprehensive approach from analysis, architecture, and measurement of nonfunctional requirements. The book includes considerations for bespoke (Java, .Net, and COTS applications). These are applicable to IT applications from various domains. The book outlines the methodology for capturing the NFRs and also describes a framework that can be leveraged by analysts and architects for tackling NFRs for various engagements. The audience for this book include business analysts, enterprise architects, business architects, solution architects, technical architects/designers, domain/security/integration architects, software developers, support engineers and test engineers, technical project managers, project leads/technical leads/technical project managers, and students from the computer science/IT stream What You Will Learn Learn techniques related to the analysis, architecture, and monitoring of NFRs Understand the various tools, techniques, and processes in order to improve the overall quality of the desired outcomes Embrace the best practices of architecting, metrics, and success factors for NFRs Identify the common pitfalls to be avoided and the patterns to leverage Understand taxonomy and framework for NFRs Learn the design guidelines for architecting applications and systems relating to NFRs Abstract different methodologies to analyze and gather NFRs In Detail Non-functional Requirements are key to any software/IT program and cannot be overlooked or ignored. This book provides a comprehensive approach to the analysis, architecture, and measurement of NFRs. It includes considerations for bespoke Java, .NET, and COTS applications that are applicable to IT applications/systems in different domains. The book outlines the methodology for capturing the NFRs and also describes a framework that can be leveraged by analysts and architects for tackling NFRs for various engagements. This book starts off by explaining the various KPIs, taxonomies, and methods for identifying NFRs. Learn the design guidelines for architecting applications and systems relating to NFRs and design principles to achieve the desired outcome. We will then move on to various key tiers/layers and patterns pertaining to the business, database, and integrating tiers. After this, we will dive deep into the topics pertaining to techniques related to monitoring and measurement of NFRs, such as sizing, analytical modeling, and quality assurance. Lastly, we end the book by describing some pivotal NFRs and checklists for the software quality attributes related to the business, application, data, and infrastructure domains. Style and approach The book takes a pragmatic approach, describing various techniques related to the analysis of NFRs, the architecture of NFRs, and assessment of NFRs.

Water People Jun 06 2022

Deep Dive Into the Blue Oct 30 2021 This fantastic scuba diving log book is a complete log book for men and women divers! Enjoy your diving with this clear and easy to use dive log book with the infos you really need. Perfect traveler mini size to carry everywhere. Log book 6 x 9 inches in size, 100 Pages, 100 Dives Interior: Date, Dive Number, Location, Comments, Dive Time, Depth, Weight, Suit, Stamp and more. We wish you good and safe dives!

Dive Deep Dive Silent Jan 01 2022 This book is a tribute to submariner William G Barnett DSM RN. and all the wartime officers and men of the Royal Navy Submarine Service, who through their courage and determination, often which was suffered under atrocious conditions fought against evil, and for the freedom of Great Britain all through World War II. "Of all the branches of men in the forces there is none which shows more devotion and faces grimmer perils than the sub Mariner." Sir Winston ChurchillThe fighting tenth. "How would prosperity and the youth of Britain remember my men who had died in such a desperate battle? UNLESS they were told the story they would have nothing to remember". Rear - Admiral G.W.G.Simpson, CB, CBE captain of the 10th submarine flotilla, Malta, GC, 1941 - 1943

A Deep Dive Sep 28 2021

Deep Dive Jun 13 2020 A deep dive into the hot button topic of sanctuary cities, including history,

legal and arguments in favor and against sanctuary jurisdictions.

Deep Dive! (Minecraft Woodsworld Chronicles #3) Jan 13 2023 The first official chapter book series based on Minecraft! The adventures continue in the third official Minecraft chapter book based on one of the most popular video games of all time. As Ash, Morgan, and three of their fellow Minecraft players, who can actually enter the game, take a deep dive into the Aquatic biome, they find a world filled with beauty and wonder. A treasure map promises adventure and the opportunity to explore--but it could also be a trap set by the mysterious Evoker King. With air running low, will they survive to find out? © 2019 Mojang AB and Mojang Synergies AB. MINECRAFT and MOJANG are trademarks or registered trademarks of Mojang Synergies AB.

Dancer from the Dance Mar 23 2021 One of the most important works of gay literature, this haunting, brilliant novel is a seriocomic remembrance of things past -- and still poignantly present. It depicts the adventures of Malone, a beautiful young man searching for love amid New York's emerging gay scene. From Manhattan's Everard Baths and after-hours discos to Fire Island's deserted parks and lavish orgies, Malone looks high and low for meaningful companionship. The person he finds is Sutherland, a campy quintessential queen -- and one of the most memorable literary creations of contemporary fiction. Hilarious, witty, and ultimately heartbreaking, *Dancer from the Dance* is truthful, provocative, outrageous fiction told in a voice as close to laughter as to tears.

Fathom Bible Studies: The Bible Leader Guide: A Deep Dive Into the Story of God May 25 2021 A deeper dive into understanding the key themes and story-lines of the Bible.

What a Deep Dive! Apr 16 2023

VMware vSphere 6.7 Clustering Deep Dive - Rubrik Sep 16 2020 - RUBRIK BRANDED VERSION - The VMware vSphere 6.7 Clustering Deep Dive is the long-awaited follow-up to best seller vSphere 5.1 Clustering Deep Dive and zooms in on the critical components of every VMware based infrastructure. It provides the knowledge and expertise needed to create a cloud infrastructure based on the solid foundation of vSphere HA, vSphere DRS, vSphere Storage DRS, Storage I/O Control and Network I/O Control. It explains the concepts and mechanisms behind these features that enables you to make well-educated decisions. The book contains a stretched cluster use case section that contains all necessary settings for creating a fully-functional stretched cluster and reviews all failure scenarios and their effect on the existing workload. This book takes you into the trenches of HA, DRS, Storage DRS, SIOC and NIOC and gives you the tools to understand and implement, e.g., HA admission control policies, DRS resource pools, Datastore Clusters, network resource pools, and resource allocation settings. Each section contains basic design principles that can be used for designing, implementing or improving VMware infrastructures. Combine this book with the vSphere 6.5 Host Resources Deep Dive book, and you have an in-depth and comprehensive set of books that deliver the information you need to design and administer vSphere in the enterprise. Often referred to in the virtual community as the vSphere Resource kit, the Host Resource Deep Dive zooms in on hardware resources such as CPU and Memory and covers how the vSphere 6.5 resource scheduler manages these. The Clustering Deep Dive builds on top of that and zooms in how a group of ESXi hosts work together and provide clustering services.

Perl 6 Deep Dive Dec 20 2020 Learn Perl 6 effortlessly to solve everyday problems About This Book Filled with practical examples, this comprehensive guide explores all aspects of Perl 6. Leverage the power of Perl 6 concurrency to develop responsive and high-performant software. Delves into various programming paradigms (such as Object Oriented, functional, and reactive) that can be adopted by Perl 6 developers to write effective code. Who This Book Is For This book is for developers who would like to learn the Perl programming language. A basic knowledge of programming is assumed. What You Will Learn Learn the background from which Perl 6 appeared and how it developed. How to use Rakudo to run your programs. Various Perl 6 built-in types and details about their behavior Understand how scalar variables, hash variables, and arrays work Create meta operators and hyper operators How classes work and how to build software based on the Object Oriented Paradigm How Perl 6 provides support for concurrency, functional programming, and reactive programming. In Detail Perl is a family of high-level, general-purpose, interpreted, dynamic programming languages consisting of Perl 5 and Perl 6. Perl 6 helps developers write concise and declarative code that is easy to maintain. This book is an end-to-end guide that will help non-Perl developers get to grips with the language and use it to solve real-world

problems. Beginning with a brief introduction to Perl 6, the first module in the book will teach you how to write and execute basic programs. The second module delves into language constructs, where you will learn about the built-in data types, variables, operators, modules, subroutines, and so on available in Perl 6. Here the book also delves deeply into data manipulation (for example, strings and text files) and you will learn how to create safe and correct Perl 6 modules. You will learn to create software in Perl by following the Object Oriented Paradigm. The final module explains in detail the incredible concurrency support provided by Perl 6. Here you will also learn about regexes, functional programming, and reactive programming in Perl 6. By the end of the book, with the help of a number of examples that you can follow and immediately run, modify, and use in practice, you will be fully conversant with the benefits of Perl 6. Style and approach This book will take you through essential Perl 6 concepts so you can implement them immediately

VMware vSphere 6.5 Host Resources Deep Dive Feb 02 2022 From the author of the vSphere Clustering Deep Dive series - The VMware vSphere 6.5 Host Resources Deep Dive is a guide to building consistent high-performing ESXi hosts. A book that people can't put down. Written for administrators, architects, consultants, aspiring VCDX-es and people eager to learn more about the elements that control the behavior of CPU, memory, storage and network resources. This book shows that we can fundamentally and materially improve the systems we're building. We can make the currently running ones consistently faster by deeply understanding and optimizing our systems. The reality is that specifics of the infrastructure matter. Details matter. Especially for distributed platforms which abstract resource layers, such as NSX and vSAN. Knowing your systems inside and out is the only way to be sure you've properly handled those details. It's about having a passion for these details. It's about loving the systems we build. It's about understanding them end-to-end. This book explains the concepts and mechanisms behind the physical resource components and the VMkernel resource schedulers, which enables you to: Optimize your workload for current and future Non-Uniform Memory Access (NUMA) systems. Discover how vSphere Balanced Power Management takes advantage of the CPU Turbo Boost functionality, and why High Performance does not. How the 3-DIMMs per Channel configuration results in a 10-20% performance drop. How TLB works and why it is bad to disable large pages in virtualized environments. Why 3D XPoint is perfect for the vSAN caching tier. What queues are and where they live inside the end-to-end storage data paths. Tune VMkernel components to optimize performance for VXLAN network traffic and NFV environments. Why Intel's Data Plane Development Kit significantly boosts packet processing performance.

Python Machine Learning May 13 2020 Python Machine Learning Buy the paperback version and get the eBook for free This book contains: Python Machine Learning: A Deep Dive Into Python Machine Learning and Deep Learning, Using Tensor Flow And Keras: From Beginner To Advance Python: A Complete Step By Step Beginners Guide To Programming With Python No previous experience with Keras, TensorFlow, or machine learning is required. What exactly is machine learning and why is it so valuable in the online business world? Simply put, it is a method of data analysis that uses algorithms that learn from data and produce specific results without being specifically programmed to do so. These algorithms can analyze data, calculate how frequently certain parts of it are used and generate responses based on this calculations in order to automatically interact with users. Throughout the recent years, artificial intelligence and machine learning have made some enormous, significant strides in terms of universal, global applicability. The ability to now be able to apply such algorithms via traditional and new dynamic programming languages allows us to interpret and understand these approaches much more eloquently. The main topics: -Why Machine Learning -Machine Learning And Artificial Intelligence -Some of the branches of Artificial Intelligence -Keras CNN Model for Deep Learning Predictions on AMZN Applying Logistic Regression to U.S. Equity Markets for Predictive Trading Python Machine Learning Applied To Financial Markets -What Python is and how to get started with it -What input and output mean in Python -The way that Python evolved throughout time After reading this book you will be able to implement machine learning and deep learning using Python While machine and deep learning algorithms have become a common measure for significant model performance across multiple industries, the primary focus of this book will be to better understand how such algorithms are being applied specifically via financial markets through the usage of the Python programming language.

Database Internals May 05 2022 When it comes to choosing, using, and maintaining a database, understanding its internals is essential. But with so many distributed databases and tools available today, it's often difficult to understand what each one offers and how they differ. With this practical guide, Alex Petrov guides developers through the concepts behind modern database and storage engine internals. Throughout the book, you'll explore relevant material gleaned from numerous books, papers, blog posts, and the source code of several open source databases. These resources are listed at the end of parts one and two. You'll discover that the most significant distinctions among many modern databases reside in subsystems that determine how storage is organized and how data is distributed. This book examines: Storage engines: Explore storage classification and taxonomy, and dive into B-Tree-based and immutable Log Structured storage engines, with differences and use-cases for each Storage building blocks: Learn how database files are organized to build efficient storage, using auxiliary data structures such as Page Cache, Buffer Pool and Write-Ahead Log Distributed systems: Learn step-by-step how nodes and processes connect and build complex communication patterns Database clusters: Which consistency models are commonly used by modern databases and how distributed storage systems achieve consistency

F# Deep Dives Mar 03 2022 Summary F# Deep Dives presents a collection of real-world F# techniques, each written by expert practitioners. Each chapter presents a new use case where you'll read how the author used F# to solve a complex problem more effectively than would have been possible using a traditional approach. You'll not only see how a specific solution works in a specific domain, you'll also learn how F# developers approach problems, what concepts they use to solve them, and how they integrate F# into existing systems and environments. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology F# is an elegant, cross-platform, functional-first programming language. With F#, developers create consistent and predictable programs that are easier to test and reuse, simpler to parallelize, and less prone to bugs. The language, its tooling, and the functional programming style have proven effective in many application areas like secure financial engines, machine learning algorithms, scientific calculations, collaborative web applications, games, and more. About the Book F# Deep Dives is a selection of real-world F# techniques written by expert practitioners. Each chapter presents an important use case where you'll solve a real programming challenge effectively using F# and the functional-first approach. Not only will you see how a specific solution works in a specific domain, but you'll also learn how functional programmers think about problems, how they solve them, and how they integrate F# into existing systems and environments. Readers should have at least an introductory knowledge of the F# language. What's Inside Numerical computing Data visualization Business logic Domain-specific languages Practical solutions to real problems Information-rich programming, including LINQ and F# type providers Covers F# 3.1 and VS 2013 About the Authors Tomas Petricek contributed to the development of the F# language at Microsoft Research. Phil Trelford is an early adopter of F# and one of its most vocal advocates. They are joined by F# experts Chris Ballard, Keith Battocchi, Colin Bull, Chao-Jen Chen, Yan Cui, Johann Deneux, Kit Eason, Evelina Gabasova, Dmitry Morozov, and Don Syme. Table of Contents Succeeding with functional-first languages in the industry PART 1 INTRODUCTION Calculating cumulative binomial distributions Parsing text-based languages PART 2 DEVELOPING ANALYTICAL COMPONENTS Numerical computing in the financial domain Understanding social networks Integrating stock data into the F# language PART 3 DEVELOPING COMPLETE SYSTEMS Developing rich user interfaces using the MVC pattern Asynchronous and agent-based programming Creating games using XNA Building social web applications PART 4 F# IN THE LARGER CONTEXT F# in the enterprise Software quality

Deep Dive Feb 14 2023 This book is a collection of essays on topics concerning the existence of humankind on Earth to aid readers in personal reflection and transformation. Essay authors have been chosen to write personal essays on areas of their expertise or interest. It is broken into four sections: Self, Humankind, Religion and Earth. It is very personal, subjective and it challenges readers to do their own Deep Dive to come up with their own conclusions on the various topics. It is not a political book, about politics nor should it be viewed from a political lens. How did we get here? Why are we here? What are we/me doing here? Where are we going from here? These are existential questions worth exploring. They all have to do with our existence on Earth. Will we definitively answer them for you? No. That's impossible-for many reasons. But we will try to help you

answer them for yourself. How we got here, why we are here, and where are we going from here, is merely conjecture. Atheists (those who do not believe in God) will say that our being here is merely the confluence of chance, matter, and time. Theists (those who believe in God) believe that we are human manifestations in the image of God, the creator of all things. Their differences of opinion are a matter of debate for another forum, so we will leave those questions for scientists, philosophers, and religious scholars. We will focus on what we are doing here, because that is the most answerable by using provable, factual data. We have a pretty good idea of what we are doing here, because our collective, human actions have historical imprints and attendant consequences. Those actions, over time, also result in verifiable change: change to humankind, the planet Earth, and all living things on Earth. Those changes are often referred to as evolution. But, contrary to popular belief, human evolution is not on a vertical line of continual improvement, since there are periods of growth and decline over millions of years. While scientific evolution is incremental (built upon previous knowledge), human evolution is not, because the human experience is an ongoing experiment. Maybe the better question is: Why are we doing what we are doing here? Another way to phrase that is asking the question: What is our collective purpose? Then, Diving Deeper, we occasionally ask ourselves about our individual purpose. Our book is, therefore, a Self-Socratic Endeavor—an exploration of ourselves by questioning the choices we make in our lives. A byproduct of "What is mankind doing and why?" is "What are the impacts of what we are doing here on Earth?" We will be discussing both—our individual purpose and impact and our collective, societal purpose and impact. These questions led to the idea for this book, which I am writing for my kids and their kids: Never stop exploring. Always be curious. Seek adventure. Work together. The essays in this book will discuss those issues and components of human nature, behavior, relationships, emotions, motivations, and contexts.

Transformers for Machine Learning Oct 18 2020 Transformers are becoming a core part of many neural network architectures, employed in a wide range of applications such as NLP, Speech Recognition, Time Series, and Computer Vision. Transformers have gone through many adaptations and alterations, resulting in newer techniques and methods. *Transformers for Machine Learning: A Deep Dive* is the first comprehensive book on transformers. Key Features: A comprehensive reference book for detailed explanations for every algorithm and techniques related to the transformers. 60+ transformer architectures covered in a comprehensive manner. A book for understanding how to apply the transformer techniques in speech, text, time series, and computer vision. Practical tips and tricks for each architecture and how to use it in the real world. Hands-on case studies and code snippets for theory and practical real-world analysis using the tools and libraries, all ready to run in Google Colab. The theoretical explanations of the state-of-the-art transformer architectures will appeal to postgraduate students and researchers (academic and industry) as it will provide a single entry point with deep discussions of a quickly moving field. The practical hands-on case studies and code will appeal to undergraduate students, practitioners, and professionals as it allows for quick experimentation and lowers the barrier to entry into the field.

Deep Dive Jun 18 2023 When your reality shatters, what will you do to put it back together again? Still reeling from the failure of his last project, videogame developer Peter Banuk is working hard to ensure his next game doesn't meet the same fate. He desperately needs a win, not only to save his struggling company, but to justify the time he's spent away from his wife and daughters. So when Peter's tech-genius partner offers him the chance to beta-test a new state-of-the-art virtual reality headset, he jumps at it. But something goes wrong during the trial, and Peter wakes to find himself trapped in an eerily familiar world where his children no longer exist. As the lines between the real and virtual worlds begin to blur, Peter is forced to reckon with what truly matters to him. But can he escape his virtual prison before he loses his family forever? File Under: Science Fiction [Game Grumps | Whole New Virtual World | Headset Havoc | Lost and Found]

Why Sharks Matter Jul 27 2021 "An award-winning scientist and science educator takes readers on a tour of the world of shark research and conservation, explaining how to protect the world's most misunderstood animals and why we should do so"--

Minecraft: Deep Dive (Minecraft Woodword Chronicles #3) Oct 10 2022 The gang from Woodword Middle School have re-entered the world of Minecraft, and this time they're taking the plunge to discover the secrets of the ocean biome. When the friends follow a treasure map, they find their underwater quest ties in perfectly with their new school science project. But trouble

quickly threatens to sink them in both worlds! For fans of the Minecraft game, Jumanji and Wreck it Ralph.

[React Deep Dive](#) Apr 11 2020

Cephalox the Cyber Squid Mar 15 2023 Evil swims beneath the seas of the planet Nemos...

When Cephalox the Cyber Squid kidnaps Max's dad, he gives chase in a stolen submarine. Can Max use his bravery, cunning and skill with gadgets to rescue him? And will he discover who controls the terrifying Robobeasts? Dive into Sea Quest and live the adventure! The first in a highly collectable series by bestselling author Adam Blade!

Deep Dive Meditation Jul 15 2020 In today's chaotic society we are bombarded with information that seems to be designed to make us feel like we are missing out on something. This atmosphere of distraction makes it challenging to successfully balance our career, relationships, finances, and health, not to mention happiness. Deep Dive Meditation is a daily moving meditation practice that allows us to consciously connect breath with movement, which is the foundation of a healthy human being. This book will teach you to apply this foundation to every area of your life. Many people are successful but not healthy. Many people are healthy but not successful. Some are even successful and healthy but they still aren't happy. Deep Dive Meditation will teach you to balance being healthy, happy, and successful in your career.

[Deep Dive](#) Dec 12 2022 When he discovers a drowned man while scuba diving with Patricia Ryan, private investigator Loren Swift, convinced that the death was not an accident, embarks on a search that leads him to a psychic research organization

A Deep Dive Into Freshwater Jul 07 2022

Deep Dive into Deep Sea Nov 11 2022 Internationally renowned author and scientist Tim Flannery explores the most remote and mysterious levels of Earth's oceans. Who is the giant squid's mortal enemy? Can you see ghosts in the deep sea? What in the world is a headless chicken monster? Tim Flannery has the answers. In this informed and accessible book, he takes readers on a journey into the darkest depths of this uncharted realm to learn about the incredible creatures living there. Divided into sections that focus on the various depths of the ocean, readers can navigate their way through the sea while being guided by anecdotes from Tim's own personal experiences. From hairy sea devils and goblin sharks to entire ecosystems within whale carcasses, he uncovers fascinating and bizarre facts about this enchanting place and the slippery, scaly, and strange creatures that live there. Packed with vibrant illustrations and snappy engaging text, Deep Dive into Deep Sea will enthrall, enlighten, and capture the imaginations and passions of young oceanographers.

Death at the Deep Dive Aug 08 2022 When mystery-bookseller and sometimes-amateur sleuth Ellery Page discovers a vintage diving collection bag full of antique gold coins, it sets off a series of increasingly dangerous events.

Explore Your World: Deep Dive Into Deep Sea Nov 18 2020 Get ready to dive into the darkest depths of the sea with real-life explorer and scientist, Professor Tim Flannery. You might think you know about the ocean, but the deep sea is nothing like the beach. Things are WEIRD down there. Who is the giant squid's mortal enemy? Can you see ghosts in the deep sea? Why would a sea cucumber have teeth on its butt? And what on earth is a headless chicken monster? Put on your SCUBA gear - you're about to find out! From the author of the best-selling Explore Your World: Weird, Wild, Amazing!, this compendium will enthrall and enlighten readers with bizarre facts and vibrant illustrations of the most incredible creatures hiding in the deep sea. Prepare to gasp, laugh and squirm in disgust!

[Game Design Deep Dive](#) Apr 23 2021 Game Design Deep Dive: Roguelikes examines the history and rise of the often-confusing roguelike genre. Despite being more than 30 years old, the roguelike genre remains a mystery to a lot of consumers and developers. Procedural generation, or having the game generate content, has been a cornerstone and point of complexity since its inception. The 2010s saw an explosion of new designs and examples, along with a debate about what a roguelike is. The genre found its way back to mainstream audiences with the award-winning Demon's Souls and Dark Souls. Since then, roguelikes have revolutionized the way we see and design games. Author and game design critic Joshua Bycer explains the differences between the various roguelike designs and give a detailed blueprint showing what makes the best ones work. The first of its kind talking about the roguelike genre Examines the design and methodology of roguelike games and the different variations A high-level discussion and breakdown of procedural and random content

generation Joshua Bycer is a game design critic with more than seven years of experience critically analyzing game design and the industry itself. In that time, through Game-Wisdom, he has interviewed hundreds of game developers and members of the industry about what it means to design video games. He is also a public speaker and presenter at schools and libraries on game design and game development.

Game Design Deep Dive: Horror Feb 19 2021 The Game Design Deep Dive series examines a specific game system or mechanic over the course of the history of the industry. This entry will examine the history and design of the horror genre and elements in video games. The author analyzes early video game examples, including the differences between survival, action-horror, and psychological horror. Thanks to recent hits like Five Night's at Freddy's, Bendy and the Ink Machine, and recent Resident Evil titles, the horror genre has seen a strong resurgence. For this book in the Game Design Deep Dive series, Joshua Bycer will go over the evolution of horror in video games and game design, and what it means to create a terrifying and chilling experience. FEATURES • Written for anyone interested in the horror genre, anyone who wants to understand game design, or anyone simply curious from a historical standpoint • Includes real game examples to highlight the discussed topics and mechanics • Explores the philosophy and aspects of horror that can be applied to any medium • Serves as a perfect companion for someone building their first game or as part of a game design classroom Joshua Bycer is a game design critic with more than eight years of experience critically analyzing game design and the industry itself. In that time, through Game-Wisdom, he has interviewed hundreds of game developers and members of the industry about what it means to design video games. He also strives to raise awareness about the importance of studying game design by giving lectures and presentations. His first book was 20 Essential Games to Study. He continues to work on the Game Design Deep Dive series.

In the Midst of Plenty Aug 16 2020 Foreword by Nan Roman, President and CEO of the National Alliance to End Homelessness This book explains how to end the U.S. homelessness crisis by bringing together the best scholarship on the subject and sharing solutions that both local communities and national policy-makers can apply now In the Midst of Plenty shifts our understanding of the phenomenon of homelessness away from issues of individual disability and embeds it in larger contexts of poverty, income inequality, housing affordability, and social exclusion. Homelessness experts Shinn and Khadduri provide guidance on how to end homelessness for people who experience it and how to prevent so many people from reaching the point where they have no alternative to sleeping on the street or in emergency shelters. The book is organized around four questions: Who becomes homeless? Why do people become homeless? How do we end homelessness? How do we prevent it? Based on a comprehensive look at relevant research, the authors show that we know how to end homelessness—if we devote the necessary resources to doing so. In the Midst of Plenty: Homelessness and What to Do About It is an excellent resource for professionals and decision-makers in the homeless services system, as well as for anyone who is interested in helping to end homelessness. It also can be used as a text in undergraduate or masters courses in public policy, sociology, psychology, social work, urban studies, or housing policy. “The knowledgeable and thoughtful authors of this book—two brilliant women who know as much as anyone in the country about the nature of homelessness and its solutions—have done a great service by taking us on a journey through the history of homelessness, how our responses have changed, and how we can end it.” Nan Roman, President and CEO National Alliance to End Homelessness. “Shinn and Khadduri’s new book is a thorough yet concise examination of what we know about the nature and causes of homelessness, and the crucial lessons learned. This critically important work provides a roadmap to restoring basic housing and income security as viable policy options, in the face of our daunting inequality divide that otherwise threatens millions with destitution and homelessness.” Dennis Culhane, Dana and Andrew Stone Professor of Social Policy, University of Pennsylvania “Marybeth Shinn and Jill Khadduri have combined their significant expertise to create an essential guide about the history of modern homelessness and to offer a clear path forward to end this American tragedy. Their policy recommendations on ending homelessness are culled from the best about what we know works.” Barbara Poppe, Executive Director US Interagency Council on Homeless, 2009-2014.

A deep dive into Smart City Technologies and portfolio of Smart Services Aug 28 2021 This book has provided an introduction to Smart Cities, basic concepts, definition and fundamentals. It has

also covered an in depth details on conceptual framework based on modern architecture using advanced technologies such as IoT, Cloud Computing Platforms, Data Analytics, Cyber Security based on Blockchain Technology, intelligence incorporated through AI and ML for some of its selected Smart Services such as · Smart Water Management · Smart Lighting Management · Smart Traffic Management · Smart Waste Management · Smart Parking Management and · Blockchain based Application Layer for secure Smart Services The Book has nicely covered an impact of Covid-19 pandemic on Smart Cities development, operation and maintenance activities. The book has relevant details on the latest tools and technologies used by Smart Cities to address its real life practical challenges while setting up and maintaining various Smart Services. This book can be considered as one of the best reference books on Smart Cities and will definitely be useful for industrial professionals, research scholars and various stakeholders of Smart Cities for getting indepth information about Smart Cities and while undertaking further research on Smart Cities and its Smart Services.

Deep Diving Sep 09 2022 This is the first book to span the depth between traditional sport diving editions and the complex medical/commercial texts. It provides a balanced view of the fascinations and hazards of deep diving through extensive factual development of its technical chapters.

Deep Dive Jul 19 2023 The inability to set good strategy can sink a company -- and a leader's career. A recent Wall Street Journal study revealed that the number one most sought after executive skill by organisations is strategic thinking, but few leaders have that skill set. In this book, Rich Horwath dissects the three most important elements of strategic thinking, breaks them down into simple and attainable skills, and shows readers how to apply them every day. He provides managers with a clear path to mastery of three disciplines: 1) Acumen -- generate critical insights through a step-by-step evaluation of the busi-ness and its environment; 2) Allocation -- focus limited resources of time, talent, and money; 3) Action -- implement a system to guarantee effective execution and communica-tion of strategy throughout the organisation. This book is based on research with senior executives from more than 150 companies and Horwath's own experience as a professional strategist. Armed with the knowl-edge from this book, every reader can become an expert strategist and an invaluable member of his or her organisation.

Deep Dive into Deep Sea: Exploring the Most Mysterious Levels of the Ocean May 17 2023 Internationally renowned author and scientist Tim Flannery explores the most remote and mysterious levels of Earth's oceans. Who is the giant squid's mortal enemy? Can you see ghosts in the deep sea? What in the world is a headless chicken monster? Tim Flannery has the answers. In this informed and accessible book, he takes readers on a journey into the darkest depths of this uncharted realm to learn about the incredible creatures living there. Divided into sections that focus on the various depths of the ocean, readers can navigate their way through the sea while being guided by anecdotes from Tim's own personal experiences. From hairy sea devils and goblin sharks to entire ecosystems within whale carcasses, he uncovers fascinating and bizarre facts about this enchanting place and the slippery, scaly, and strange creatures that live there. Packed with vibrant illustrations and snappy engaging text, *Deep Dive into Deep Sea* will enthrall, enlighten, and capture the imaginations and passions of young oceanographers.