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Managing Apple Devices The Out-of-Home Immersive Entertainment Frontier Creating the Suburban School Advantage 輕鬆Python3 入門手冊 Reading Home Cultures Through Books Visual Analytics Fundamentals The AI Revolution in Networking, Cybersecurity, and Emerging Technologies Bayesian Analysis with Excel and R Driving Value with Sprint Goals Practical Product Management for Product Owners Learn Enough HTML, CSS and Layout to Be Dangerous Establishing SRE Foundations Facilitating Professional Scrum Teams Scala for the Impatient CCNP and CCIE Security Core SCOR 350-701 Exam Cram Serverless as a Game Changer The AWK Programming Language Patterns of Distributed Systems In Zero Trust We Trust Software Architecture and Decision-Making Quick Start Guide to Large Language Models Ruby on Rails Tutorial Learn Enough JavaScript to Be Dangerous Absolute Beginner's Guide to Algorithms Essential C# 12.0 MySQL Crash Course Untrapping Product Teams Learn Enough Developer Tools to Be Dangerous Better Python Code Software Requirements Essentials JVM Performance Engineering Responsible AI Building a Career in Cybersecurity Learn Enough Python to Be Dangerous Introduction to AutoCAD 2024 Security in Computing Separation Process Engineering NOOK HD: The Missing Manual Integrated Intelligence

Managing Apple Devices

2016-06-01

managing apple devices third edition will enable you to create an effective plan for deploying and maintaining groups of apple devices using ios 9 and os x el capitan in your organization this all in one resource teaches a wide variety of apple management technologies explains the theory behind the tools and provides practical hand on exercises to get you up and running with the tools you will be introduced to apple management technologies including mobile device management the volume purchase program and the device enrollment program for example not only will you learn how to use profile manager apple s implementation of mobile device management but you will also learn about the ideas behind profile management and how to make configuration easier for both administrators and users while maintaining a highly secure environment the exercises contained within this guide are designed to let you explore and learn the tools provided by apple for deploying and managing ios 9 and os x el capitan systems they start with verification of access to necessary services move on to the configuration of those services and finally test the results of those services on client devices each lesson builds on previous topics and is designed to give technical coordinators and system administrators the skills tools and knowledge to deploy and maintain apple devices by providing knowledge of how apple deployment technologies work showing how to use specific deployment tools explaining deployment procedures and best practices offering practical exercises step by step solutions available

The Out-of-Home Immersive Entertainment Frontier

2014-06-28

digital out of home entertainment is transforming the customer experience in shops cinemas museums almost any environment where consumers are congregating this book provides a state of play exploration of the successes the emerging new applications and the strategies that inform them and is an essential guide for entertainment executives as well as those involved in retailing the hotel industry mobile communications museums and heritage

Creating the Suburban School Advantage

2020-04-15

creating the suburban school advantage explains how american suburban school districts gained a competitive edge over their urban counterparts john l rury provides a national overview of the process focusing on the period between 1950 and 1980 and presents a detailed study of metropolitan kansas city a region representative of trends elsewhere while big city districts once were widely seen as superior and attracted families seeking the best educational opportunities for their children suburban school systems grew rapidly in the post world war ii era as middle class and more affluent families moved to those communities as rury relates at the same time economically dislocated african americans migrated from the south to center city neighborhoods testing the capacity of urban institutions as demographic trends drove this urban suburban divide a suburban ethos of localism contributed to the socioeconomic exclusion that became a hallmark of outlying school systems school districts located wholly or partly within the municipal boundaries of kansas city missouri make for revealing cases that illuminate our understanding of these national patterns as rury demonstrates struggles to achieve greater educational equity and desegregation in urban centers contributed to so called white flight and what senator daniel patrick moynihan considered to be a crisis of urban education in 1965 despite the often valiant efforts made to serve inner city children and bolster urban school districts this exodus rury cogently argues created a new metropolitan educational hierarchy a mirror image of the urban centric model that had prevailed before world war ii the stubborn perception that suburban schools are superior based on test scores and budgets has persisted into the twenty first century and instantiates today s metropolitan landscape of social economic and educational inequality

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2021-03

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Reading Home Cultures Through Books

2022-02-27

this wide ranging comparative and multidisciplinary collection addresses the significance of
books in creating the idea of home the chapters present cases that reveal the affective and
sensory dimensions of books and reading in the practice of everyday life of individuals in
communities and in society the complex relationship of books reading and home is explored through
american and european case studies both in bourgeois and middle class homes and in working class
and immigrant families and communities with limited possibilities for reading the volume combines
the conceptions and representations of domesticity the materiality of reading and library as a
place drawing on book history and material culture studies as well as anthropology and sociology
of the home

Visual Analytics Fundamentals

2023-05-29

master the fundamentals of modern visual analytics and craft compelling visual narratives in
tableau do you need to persuade or inform people do you have data then you need to master visual
analytics and visual storytelling today the 1 tool for telling visual stories with data is
tableau and demand for tableau skills is soaring in visual analytics fundamentals renowned visual
storyteller and analytics professor lindy ryan introduces all the fundamental visual analytics
knowledge cognitive and perceptual concepts and hands on tableau techniques you ll need ryan puts
core analytics and visual concepts upfront so you ll always know exactly what you re trying to
accomplish and can apply this knowledge with any tool building on this foundation she presents
classroom proven guided exercises for translating ideas into reality with tableau 2022 you ll
learn how to organize data and structure analysis with stories in mind embrace exploration and
visual discovery and articulate your findings with rich data well curated visualizations and
skillfully crafted narrative frameworks ryan s insider tips take you far beyond the basics and
you ll rely on her expert checklists for years to come communicate more powerfully by applying
scientific knowledge of the human brain get started with the tableau platform and tableau desktop
2022 connect data and quickly prepare it for analysis ask questions that help you keep data
firmly in context choose the right charts graphs and maps for each project and avoid the wrong
ones craft storyboards that reflect your message and audience direct attention to what matters
most build data dashboards that guide people towards meaningful outcomes master advanced
visualizations including timelines likert scales and lollipop charts this book has only one
prerequisite your desire to communicate insights from data in ways that are memorable and

actionable it s for executives and professionals sharing important results students writing reports or presentations teachers cultivating data literacy journalists making sense of complex trends practically everyone don t even have tableau download your free trial of tableau desktop and let s get started

The AI Revolution in Networking, Cybersecurity, and Emerging Technologies

2024-03-04

the ai revolution is here discover its dynamic applications in networking cybersecurity and more ai is having a profound impact on nearly every sector of the workforce huge professional and financial opportunities await in the key domains of computer networking cybersecurity iot and cloud computing the ai revolution in networking cybersecurity and emerging technologies will give you the edge you need to harness ai for your benefit learn how ai can efficiently identify shadow data fortify security measures generate predictive analytics in real time and so much more in this comprehensive guide cisco professionals omar santos samer salam and hazim dahir engage you in both ai application and theory through practical case studies and predictions of future trends which makes this book not just a valuable guide for today but an indispensable resource for tomorrow you ll discover how ai is building robust bridges in collaboration tools and turning iot into a super intelligent network of devices so you can quickly identify and resolve network security threats while enhancing network performance this book will show you how ai can help you modernize and fortify your operations and make yourself a key asset to your company are you ready to join the ai revolution in networking cybersecurity and emerging technologies gain industry specific knowledge from experienced professionals discover new capabilities like self healing networks and predictive analytics learn how ai can save time by detecting and correcting issues in real time master techniques for security monitoring and alerting understand potential security and privacy pitfalls of using ai and how to guard against them understand how ai works for you and with you register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Bayesian Analysis with Excel and R

2022-12-15

leverage the full power of bayesian analysis for competitive advantage bayesian methods can solve problems you can t reliably handle any other way building on your existing excel analytics skills and experience microsoft excel mvp conrad carlberg helps you make the most of excel s bayesian capabilities and move toward r to do even more step by step with real world examples carlberg shows you how to use bayesian analytics to solve a wide array of real problems carlberg clarifies terminology that often bewilders analysts and offers sample r code to take advantage of the rethinking package in r and its gateway to stan as you incorporate these bayesian approaches into your analytical toolbox you ll build a powerful competitive advantage for your organization and yourself explore key ideas and strategies that underlie bayesian analysis distinguish prior likelihood and posterior distributions and compare algorithms for driving sampling inputs use grid approximation to solve simple univariate problems and understand its limits as parameters increase perform complex simulations and regressions with quadratic approximation and richard mcelreath s quap function manage text values as if they were numeric learn today s gold standard bayesian sampling technique markov chain monte carlo mcmc use mcmc to optimize execution speed in high complexity problems discover when frequentist methods fail and bayesian methods are essential and when to use both in tandem

Driving Value with Sprint Goals

2023-07-24

leverage sprint goals to supercharge teamwork and build winning products there are many books on scrum and how to do scrum the right way this isn t one of those books driving value with sprint

goals will teach you how to deliver exceptional value to build great products all teams and participants must align behind clear goals that deliver real value outcomes not just more features output sprint goals are your most powerful tool for achieving this alignment but many teams avoid misuse or struggle with them maarten dalmijn guides you through defining creating and executing on sprint goals that deliver outstanding value to customers and the business this concise guide is packed with strategies and concepts for building high performing teams that accelerate the delivery of value as you reconsider critical scrum and product management processes through the lens of the sprint goal you can transform your entire organization from being low value feature factories to delivering high value outcomes understand how making plans doesn t start with planning but with intent use humble planning together with intent to deal with surprises as you discover and learn what s necessary while you do the work establish a laser like focus on driving the outputs that lead to the most valuable outcomes learn how to use sprint goals throughout the sprint at sprint planning daily scrum sprint review sprint retrospective and for the ongoing work of building high performing teams learn what happens when sprint goals are absent or misapplied and how to avoid those pitfalls driving value with sprint goals will reshape the way you think about delivering value by offering a fresh and cohesive perspective invaluable to every product owner product manager scrum master agile coach and tech executive maarten masterfully bridges the gap between scrum and product management if you want to create products that truly make a difference you need to read this book pawel huryn author product coach register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Practical Product Management for Product Owners

2023-03-10

hone agile product owner behaviors that lead to marketplace winners organizations pour vast resources into building new products and services yet too many are poorly conceived don t delight or even satisfy customers and fail in the marketplace the solution is more effective agile product ownership and product management this book is an expert guide to the behaviors stances and practices of world class agile product development reflecting deep in the trenches experience from world renowned experts chris lukassen and robbin schuurman introduce powerful tools ideas and skills for delivering superior products and services and for avoiding pitfalls that keep you from seeing what customers really need and want learn through a start to finish scrum based case study drawing on concepts the authors created for their breakthrough scrum org professional scrum product owner advanced pspo a training course this innovative approach has already helped thousands of product owners excel and it can transform the way you create products replace negative product owner behaviors with approaches that lead to excellence represent customers more empathetically and effectively connect customers values and features more coherently tell better stories set clearer goals and create more valuable roadmaps innovate business models run better experiments and scale products more successfully make more successful decisions involve the right people and rely on better data become a great agile collaborator across governance budgeting contracting and beyond influence customers users stakeholders and teams to improve your overall effectiveness optimize every organizational role related to product ownership product owners managers and team leads will find this guide indispensable along with agile scrum coaches consultants and executives wanting to generate more value from product management across the organization

Learn Enough HTML, CSS and Layout to Be Dangerous

2022-07-27

all you need to know and nothing you don t to start creating and deploying sites in full color to design build and deploy modern websites you need three core skills the ability to write and edit html wield css to control page design and create efficient web layouts that serve users well but you don t need to learn everything about html css and web layout just how to use them efficiently to solve real problems in learn enough html css and layout to be dangerous expert developer lee donahoe and renowned instructor michael hartl teach the specific concepts skills and approaches

you need to get the job done even if you ve never created a web page the authors help you quickly build technical sophistication and master the lore you need to succeed focused exercises help you internalize what matters without wasting time on details pros don t care about soon it ll be like you were born knowing this stuff and you ll be suddenly seriously dangerous learn enough about deploying a simple but real website to the live right away adding advanced styling to websites including css flexbox and css grid installing and configuring jekyll a static site generator getting started with templating systems and programming languages mastering key layout principles for web design registering and configuring custom domains with custom urls and email addresses receiving email at your domain with google s g suite setting up analytics to better understand your site s visitors making all these technologies work well together michael hartl s learn enough series includes books and video courses that focus on the most important parts of each subject so you don t have to learn everything to get started you just have to learn enough to be dangerous and solve technical problems yourself register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Establishing SRE Foundations

2022-09-29

improve your service scalability and reliability with sre pioneered by google to create more scalable and reliable large scale systems site reliability engineering sre has become one of today s most valuable software innovation opportunities establishing sre foundations is a concise practical guide that shows how to drive successful sre adoption in your own organization dr vladyslav ukis presents a step by step approach to establishing the right cultural organizational and technical process foundations quickly achieving a minimum viable sre and continually improving from there dr ukis draws extensively on his own experiences leading an sre transformation journey at a major healthcare company throughout he answers specific questions that organizations ask about sre identifies pitfalls and shows how to avoid or overcome them whatever your role in software development engineering or operations this guide will help you apply sre to improve what matters most user and customer experience understand how sre works its role in software operations and the challenges of sre transformation assess your organization s current operations and readiness for sre transformation achieve organizational buy in and initiate foundational activities including slo definitions alerting on call rotations incident response and error budget based decision making align organizational structures to support a full sre transformation measure the progress and success of your sre initiative sustain and advance your sre transformation beyond the foundations the techniques and principles of sre are not only clearly defined here but also the rationale behind them is explained in a way that will stick this is not some dry definition this is practical usable understanding i can whole heartedly recommend this book without any reservation this is a very good book on an important topic that helps to move the game forward for our discipline from the foreword by david farley founder and ceo of continuous delivery ltd register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Facilitating Professional Scrum Teams

2023-12-08

unlock the true power of collaboration within scrum teams and beyond with this practical guide packed with tips tools and real life scenarios to elevate your facilitation skills scrum requires healthy collaboration not just between the members of the scrum team but also between the scrum team and its stakeholders to gather feedback and input collaboration is the heart of thriving scrum teams but most available resources on collaboration focus solely on meeting formats and neglect to show how scrum teams truly harmonize their efforts and make informed decisions effectively this book bridges the gap by not only providing effective facilitation techniques but also delving into the how and why of facilitation all geared toward improving effectiveness achieving impactful outcomes and helping scrum teams work through challenges obtain tools and insights for scrum teams to better facilitate team interactions to leverage group diversity learn from real world scenarios that illustrate common scrum team challenges and how they can be

overcome with effective and timely facilitation discover comprehensive facilitation approaches accompanied with effective guidance on when to use them how they can be combined and how they can help to achieve desired outcomes

Scala for the Impatient

2022-12-27

scala 3 a clear concise guide scala 3 is concise consistent flexible robust and efficient but there s a lot to learn and navigating features and improvements can be challenging scala for the impatient third edition is a complete yet concise guide that reflects the major enhancements of scala 3 from improved syntax and revamped type system to powerful contextual abstractions this indispensable tutorial offers a faster easier pathway for learning today s scala horstmann author of the programming classic core java covers everything working developers need to know focusing on hands on solutions not academic theory given the size and scope of scala 3 there s plenty to cover but it s presented in small chunks organized for quick access and easy understanding with plenty of practical insights and focused sample code get started quickly with scala 3 interpreter syntax tools and current usage master core language features functions arrays maps tuples packages imports exception handling and more design and build better object oriented code with scala 3 use scala for real world programming tasks working with files regular expressions and processes work with higher order functions and the powerful scala collections library create concurrent programs with scala futures understand the scala type system including revamped enums intersection and union types and enhanced type inference use contextual abstractions to easily extend class hierarchies enrich existing classes perform automatic conversions and elegantly hide tedious details apply advanced power tools such as annotations and given values discover how to program with types analyzing and generating types at compile time get a taste of what s now possible with scala macros if you re a java python c or c programmer who s new to scala or functional programming or even if you ve already used earlier versions of scala this guide will help you write code that s more robust more efficient and more secure register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

CCNP and CCIE Security Core SCOR 350-701 Exam Cram

2024-04-02

this is the ebook version of the print title note that the ebook does not provide access to the practice test software that accompanies the print book learn prepare and practice for ccnp and ccie security core scor 350 701 exam success with this exam cram from pearson it certification a leader in it certification learning master ccnp and ccie security core scor 350 701 exam topics assess your knowledge with chapter ending quizzes review key concepts with exam preparation tasks ccnp and ccie security core scor 350 701 exam cram is a best of breed exam study guide three cisco experts share preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge and hands on skills material is presented in a concise manner focusing on increasing your understanding and retention of exam topics the book presents you with an organized test preparation routine through the use of proven series elements and techniques exam topic lists make referencing easy chapter ending exam preparation tasks help you drill on key concepts you must know thoroughly well regarded for its level of detail assessment features and challenging review questions and exercises this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time including compare common security vulnerabilities such as software bugs weak and or hardcoded passwords owasp top ten missing encryption ciphers buffer overflow path traversal and cross site scripting forgery configure aaa for device and network access such as tacacs and radius implement segmentation access control policies avc url filtering malware protection and intrusion policies identify security capabilities deployment models and policy management to secure the cloud configure cloud logging and monitoring methodologies implement traffic redirection and capture methods for web proxy describe the components capabilities and benefits of cisco umbrella configure endpoint antimalware protection using cisco secure endpoint describe the uses and

importance of a multifactor authentication mfa strategy describe identity management and secure network access concepts such as guest services profiling posture assessment and byod explain exfiltration techniques dns tunneling https email ftp ssh scp sftp icmp messenger irc and ntp

Serverless as a Game Changer

2023-10-06

leverage the serverless mindset to build and deploy software faster better and with less expense in this definitive guide joseph emison shows how to leverage serverless for maximum customer value he reveals why mindset is crucial to modern it strategy and explains why and how to move toward a truly serverless mindset many organizations are falling short when it comes to leveraging the cloud drawing on his experience as a pioneering cto across multiple industries emison shows why and how you can gain immense business value from the cloud while many serverless adopters focus on converting and building apps on serverless compute platforms like aws lambda emison offers better ways to think about your tech stack optimize build or buy decisions choose the right vendor for each commercial off the shelf cots or open source solution and draw on the industry s best managed services to help you develop a serverless mindset emison includes a case study demonstrating a real world enterprise transition to serverless the author also provides an exclusive directory of current managed services with focused descriptions and concise explanations of each service and its role in modern application architecture many of these services are unfamiliar to enterprise architects but they are enterprise tested and can radically simplify any serverless transition evolve your tech stack and mindset to gain the full benefits of the cloud deliver software faster better and at lower cost with serverless use serverless architectures and managed services to offload tasks that don t add value follow a real world case study taking you from where you are to where you want to be explore an exclusive managed services directory to find resources to streamline your serverless transition transform your mindset and organization by leveraging serverless architecture to change the game and win it register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

The AWK Programming Language

2023-09-20

awk was developed in 1977 at bell labs and it s still a remarkably useful tool for solving a wide variety of problems quickly and efficiently in this update of the classic awk book the creators of the language show you what awk can do and teach you how to use it effectively here s what programmers today are saying i love awk awk is amazing it is just so damn good awk is just right awk is awesome awk has always been a language that i loved it s easy simple fast and lightweight absolutely efficient to learn because there isn t much to learn 3 4 hours to learn the language from start to finish i can teach it to new engineers in less than 2 hours it s productive whenever i need to do a complex analysis of a semi structured text file in less than a minute awk is my tool learning awk was the best bang for buck investment of time in my entire career designed to chew through lines of text files with ease with great defaults that minimize the amount of code you actually have to write to do anything it s always available awk runs everywhere a reliable swiss army knife that is always there when you need it many systems lack perl or python but include awk register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Patterns of Distributed Systems

2023-11-01

a patterns approach to designing distributed systems and solving common implementation problems more and more enterprises today are dependent on cloud services from providers like aws microsoft azure and gcp they also use products such as kafka and kubernetes or databases such as yugabytedb cassandra mongodb and neo4j that are distributed by nature because these distributed systems are

inherently stateful systems enterprise architects and developers need to be prepared for all the things that can and will go wrong when data is stored on multiple servers from process crashes to network delays and unsynchronized clocks patterns of distributed systems describes a set of patterns that have been observed in mainstream open source distributed systems studying the common problems and the solutions that are embodied by the patterns in this guide will give you a better understanding of how these systems work as well as a solid foundation in distributed system design principles featuring real world code examples from systems like kafka and kubernetes these patterns and solutions will prepare you to confidently traverse open source codebases and understand implementations you encounter in the wild review the building blocks of consensus algorithms like paxos and raft for ensuring replica consistency in distributed systems understand the use of logical timestamps in databases a fundamental concept for data versioning explore commonly used partitioning schemes with an in depth look at intricacies of two phase commit protocol analyze mechanisms used in implementing cluster coordination tasks such as group membership failure detection and enabling robust cluster coordination learn techniques for establishing effective network communication between cluster nodes along with enterprise architects and data architects software developers working with cloud services such as amazon s3 amazon eks and azure cosmosdb or gcp cloud spanner will find this set of patterns to be indispensable register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

In Zero Trust We Trust

2024-02-27

before an enterprise answers how can we achieve a zero trust architecture they should be asking why are we looking at zero trust as an access model does it align with our vision in an innovative format cisco security architecture expert avinash naduvath guides you through the philosophical questions and practical answers for an enterprise looking to start the zero trust journey a conversational model will take you from the initial stages of identifying goals and pitching solutions through practical tasks that highlight tangible outcomes including common primary use cases in order to bring focus to the correct implementation and maintenance of a zero trust architecture for a future where success is measured as much by the security of a system as by the functionality in zero trust we trust is designed to help everyone at every stage and level of leadership understand not only the conceptual underpinnings but the real world context of when how and why to deploy zero trust security controls this book provides the starting point for helping you change the mindset of others and getting them to understand why zero trust isn t simply a conversation to be had but a movement to embrace origins of the zero trust philosophy in security architecture explained and why it took so long to catch on detailed examination of how to ask the right questions so as to implement the right security answers for clients understanding the metrics by which to measure zero trust success and what maintaining that success looks like identifying the stakeholders and empowering a zero trust team within an enterprise examples of how to catalyze opinion and tailor tactics to motivate investment in secure zero trust architecture implement monitor feedback repeat presenting and building a roadmap for a sustainable security architecture looking ahead to a zero trust lifecycle framework and a blueprint for the future

Software Architecture and Decision-Making

2023-12-08

leverage leadership knowledge to make better software architecture decisions think deeply but implement slowly the overarching goal of software systems hence for software architecture is to build systems that meet quality standards and that provide the highest return on investment roi in the long run or within a defined period of time a great product requires a combination of technology leadership and product management including ux leadership is primarily about managing uncertainty and making the right judgment to build great products technical leaders need to combine technology leadership and product management knowledge and make the right decisions many technical mistakes come from the gap between knowledge about these three items and judgment in

software architecture and decision making srinath perera explains principles and concepts that software architects must understand deeply and how to employ those principles to manage uncertainty the questions and principles discussed in this book help manage uncertainty while building software architecture and provide a framework for making decisions this book is for all technical leaders in the software industry who make holistic judgments about the systems they build and for future leaders learning the craft understand the importance of strong decision making with examples from great technical leaders such as the wright brothers and kelly johnson leverage five key questions and seven important principles to understand uncertainties during the design process and make strategic architectural decisions approach the design systematically first at the macro level and then the individual service level this definitive guide explains principles and concepts technical and non technical alike that software architects senior software engineers and technical leads must understand to manage the inevitable uncertainty involved in building software systems and to drive success of the products for which they are responsible register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Quick Start Guide to Large Language Models

2023-09-20

the practical step by step guide to using llms at scale in projects and products large language models llms like chatgpt are demonstrating breathtaking capabilities but their size and complexity have deterred many practitioners from applying them in quick start guide to large language models pioneering data scientist and ai entrepreneur sinan ozdemir clears away those obstacles and provides a guide to working with integrating and deploying llms to solve practical problems ozdemir brings together all you need to get started even if you have no direct experience with llms step by step instructions best practices real world case studies hands on exercises and more along the way he shares insights into llms inner workings to help you optimize model choice data formats parameters and performance you ll find even more resources on the companion website including sample datasets and code for working with open and closed source llms such as those from openai gpt 4 and chatgpt google bert t5 and bard eleutherai gpt j and gpt neo cohere the command family and meta bart and the llama family learn key concepts pre training transfer learning fine tuning attention embeddings tokenization and more use apis and python to fine tune and customize llms for your requirements build a complete neural semantic information retrieval system and attach to conversational llms for retrieval augmented generation master advanced prompt engineering techniques like output structuring chain ofthought and semantic few shot prompting customize llm embeddings to build a complete recommendation engine from scratch with user data construct and fine tune multimodal transformer architectures using opensource llms align llms using reinforcement learning from human and ai feedback rlhf rlaif deploy prompts and custom fine tuned llms to the cloud with scalability and evaluation pipelines in mind by balancing the potential of both open and closed source models quick start guide to large language models stands as a comprehensive guide to understanding and using llms bridging the gap between theoretical concepts and practical application giada pistilli principal ethicist at huggingface a refreshing and inspiring resource jam packed with practical guidance and clear explanations that leave you smarter about this incredible new field pete huang author of the neuron register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Ruby on Rails Tutorial

2022-10-24

used by sites as varied as hulu github shopify and airbnb ruby on rails is one of the most popular frameworks for developing web applications but it can be challenging to learn and use whether you re new to web development or new only to rails ruby on railstm tutorial seventh edition is the solution best selling author and leading rails developer michael hartl teaches rails by guiding you through the development of three example applications of increasing sophistication the tutorial s examples focus on the general principles of web development needed

for virtually any kind of website the updates to this edition include full compatibility with rails 7 this indispensable guide provides integrated tutorials not only for rails but also for the essential ruby html css and sql skills you need when developing web applications hartl explains how each new technique solves a real world problem and then he demonstrates it with bite sized code that s simple enough to understand while still being useful whatever your previous web development experience this book will guide you to true rails mastery this book will help you set up your rails development environment record version changes with git and create a secure remote repository at github deploy your applications early and often with heroku go beyond generated code to truly understand how to build rails applications from scratch learn testing and test driven development tdd effectively use the model view controller mvc pattern structure applications using the rest architecture build static pages and transform them into dynamic ones master the ruby programming skills all rails developers need create high quality site layouts and data models implement registration and authentication systems including validation and secure passwords update display and delete users upload and display images using active storage and amazon s3 implement account activation and password reset including sending email with rails integrate javascript with rails using importmap add social features and microblogging including an introduction to hotwire and turbo ruby on railstm tutorial by michael hartl has become a must read for developers learning how to build rails apps peter cooper editor of ruby inside register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Learn Enough JavaScript to Be Dangerous

2022-05-12

all you need to know and nothing you don t to write javascript for the and beyond javascript plays a key role in modern software development not only because it is the only language that runs inside virtually all web browsers but also because it has become widely used for back end and general purpose development as well although javascript is a big language you don t need to learn everything about it to get started just how to use it efficiently to solve real problems in learn enough javascript to be dangerous renowned instructor michael hartl teaches the specific concepts skills and approaches you need to be professionally productive even if you ve never programmed before hartl helps you quickly build technical sophistication and master the lore you need to succeed treating javascript as a general purpose language right from the start hartl offers examples for creating dynamic effects in browsers and for writing scripts and modules using node js focused exercises help you internalize what matters without wasting time on details pros don t care about soon it ll be like you were born knowing this stuff and you ll be suddenly seriously dangerous learn enough about rapidly deploying a simple javascript app to the live working with strings and other native javascript objects applying functions and elegant powerful functional programming techniques creating new objects with both properties and methods writing tests and improving code with test driven development tdd developing and using self contained modular npm software packages adding interactivity with event listeners dynamic html forms and dom manipulation writing useful nontrivial javascript shell scripts building an industrial grade interactive website with javascript from start to finish michael hartl s learn enough series includes books and video courses that focus on the most important parts of each subject so you don t have to learn everything to get started you just have to learn enough to be dangerous and solve technical problems yourself register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Absolute Beginner's Guide to Algorithms

2023-12-08

a hands on easy to comprehend guide that is perfect for anyone who needs to understand algorithms with the explosive growth in the amount of data and the diversity of computing applications efficient algorithms are needed now more than ever programming languages come and go but the core of programming algorithms and data structures remains the same absolute beginner s guide to algorithms is the fastest way to learn algorithms and data structures using helpful diagrams and

fully annotated code samples in javascript you will start with the basics and gradually go deeper and broader into all the techniques you need to organize your data start fast with data structures basics arrays stacks queues trees heaps and more walk through popular search sort and graph algorithms understand big o notation and why some algorithms are fast and why others are slow balance theory with practice by playing with the fully functional javascript implementations of all covered data structures and algorithms register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Essential C# 12.0

2023-12-26

the comprehensive expert guide to c 12 0 for programmers at all levels updated for the microsoft c 12 0 long term support lts release essential c 12 0 is a well organized no fluff c guide suitable for every programmer building on the proven high value content of previous editions world class c expert mark michaelis illuminates key enhancements in c 12 0 including any type aliases inline arrays default lambda expression parameters and expanded support for primary constructors michaelis presents a comprehensive tutorial and reference for the entire c language helping you accelerate your journey to expert level c programmer succinct examples illustrate core constructs and modern coding guidelines help you minimize bugs and write code that s easier to evolve to help you quickly find what you need and maintain compatibility the book includes version specific icons and notes identifying when each innovation was introduced use structured programming constructs to write functioning code immediately learn both the complexities and solutions to nullable reference types thoroughly master c object constructs including classes inheritance and interfaces reduce code redundancy with generics delegates and lambda expressions take full advantage of collections with linq improve multithreading with the taskbased async pattern and asynchronous streams enhance performance through the parallel processing of data and multithreading tasks make the most of refl ection attributes and the declarative programming paradigm program complex types with enhanced pattern matching syntax write succinct type defi nitions with record structs and classes explore the new features of c 8 0 c 12 0 welcome to one of the most venerable and trusted franchises you could dream of in the world of c book and probably far beyond from the foreword by mads torgersen c lead designer microsoft register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

MySQL Crash Course

2023-11-02

mysql is one of the most popular database management systems available powering everything from internet powerhouses to individual corporate databases to simple end user applications and everything in between this book will teach you all you need to know to be immediately productive with the latest version of mysql by working through 30 highly focused hands on lessons your mysql crash course will be both easier and more effective than you d have thought possible learn how to retrieve and sort data filter data using comparisons regular expressions full text search and much more join relational data create and alter tables insert update and delete data leverage the power of stored procedures and triggers use views and cursors manage transactional processing create user accounts and manage security via access control

Untrapping Product Teams

2024-05-28

empower product teams to rock the world by uncovering and overcoming dangerous traps untrapping product teams guides you to simplify what gets unintentionally complicated and equips you to overcome dangerous traps while steadily driving customer and business value this isn t just another book about product management it s a thought provoking guide filled with simplicity encouraging you to act today for a better tomorrow this book is for anyone facing the challenges

of working on or with product teams it lays out leading best practices combined with secret ingredients crafted by the author based on years of experience learn what makes or breaks product teams so you are ready to do what it takes to thrive with digital products learn the differences between coordinative and collaborative workflows recognize dangerous traps and the strategies to overcome them explore the product journey simplify decision making apply mindful product discovery use delivery to accelerate value and measure results beyond outputs craft product principles and set solid foundations for product teams benefit from proven product health checks to uncover where to act today for a better tomorrow this is my new favorite book on product management untrapping product teams covers everything you need to know to lead a product team and be successful as a product manager author david pereira does an excellent job of pointing out biases and thinking traps that doom products the book is full of many insights and tools that will be useful for years to come mike cohn co founder of agile alliance david s book shares several hard earned lessons of what happens when product leaders product managers and especially product owners are not trained to succeed in their jobs and they go on to make predictable and avoidable mistakes this book can help you avoid some of these pitfalls marty cagan partner silicon valley product group this book touches on all the daily essentials for a product person it s a practical guide and a meta analysis rolled into one serving as the greatest hits album of product management ideal for newcomers and an excellent refresher for those already immersed in the field petra wille author of strong product people register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Learn Enough Developer Tools to Be Dangerous

2022-06-17

all you need to know and nothing you don t about core tools for software development three of the core tools needed for modern software development are the unix command line a text editor and version control with git but you don t need to learn everything about them just how to use them efficiently to solve real problems in learn enough developer tools to be dangerous renowned instructor michael hartl teaches the specific concepts skills and approaches you need so you can learn to write apps get hired collaborate and maybe even launch your own company even if you ve never used or even heard of these tools before hartl helps you quickly build technical sophistication and master the lore you need to succeed focused exercises help you internalize what matters without wasting time on details pros don t care about soon it ll be like you were born knowing this stuff and you ll be suddenly seriously dangerous learn enough about running a terminal entering and editing commands and using man pages manipulating and inspecting files from basic copying to finding patterns organizing files with directories learning minimum viable vim basic and advanced editing techniques with editors like atom and vs code using the human readable markdown language for writing quick documentation formatting source code and writing executable scripts getting started with git and github using key git workflows commit push branch merge and more collaborating on git projects and resolving code conflicts setting up dev environments macos linux windows and cloud michael hartl s learn enough series includes books and video courses that focus on the most important parts of each subject so you don t have to learn everything to get started you just have to learn enough to be dangerous and solve technical problems yourself register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Better Python Code

2023-11-02

move beyond python code that mostly works to code that is expressive robust and efficient python is arguably the most used programming language in the world with applications from primary school education to workaday web development to the most advanced scientific research institutes while there are many ways to perform a task in python some are wrong inelegant or inefficient better python code is a guide to pythonic programming a collection of best practices ways of working and nuances that are easy to miss especially when ingrained habits are borrowed from other programming languages author david mertz presents concrete and concise examples of various

misunderstandings pitfalls and bad habits in action he explains why some practices are better than others based on his 25 years of experience as an acclaimed contributor to the python community each chapter thoroughly covers related clusters of concepts with chapters sequenced in ascending order of sophistication whether you are starting out with python or are an experienced developer pushing through the limitations of your python code this book is for all who aspire to be more pythonic when writing better python code use the right kind of loops in python learn the ins and outs of mutable and immutable objects get expert advice to avoid python gotchas examine advanced python topics navigate the attractive nuisances that exist in python learn the most useful data structures in python and how to avoid misusing them avoid security mistakes understand the basics of numeric computation including floating point numbers and numeric datatypes my high expectations for this engaging python book have been exceeded it offers a great deal of insight for intermediate or advanced programmers to improve their python skills includes copious sharing of precious experience practicing and teaching the language yet remains concise easy to read and conversational from the foreword by alex martelli register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Software Requirements Essentials

2023-03-16

20 best practices for developing and managing requirements on any project software requirements essentials presents 20 core practices for successful requirements planning elicitation analysis specification validation and management leading requirements experts karl wiegers and candase hokanson focus on the practices most likely to deliver superior value for both traditional and agile projects in any application domain these core practices help teams understand business problems engage the right participants articulate better solutions improve communication implement the most valuable functionality in the right sequence and adapt to change and growth concise and tightly focused this book offers just enough pragmatic how to detail for you to apply the core practices with confidence whether you re a business analyst requirements engineer product manager product owner or developer using it your entire team can build a shared understanding of key concepts terminology techniques and rationales and work together more effectively on every project learn how to clarify problems define business objectives and set solution boundaries identify stakeholders and decision makers explore user tasks events and responses assess data concepts and relationships elicit and evaluate quality attributes analyze requirements and requirement sets create models and prototypes and set priorities specify requirements in a consistent structured and well documented fashion review test and manage change to requirements i once read the ten best selling requirements engineering books of the prior ten years this one book succinctly presents more useful information than those ten books combined mike cohn author of user stories applied and co founder scrum alliance diamonds come about when a huge amount of carbon atoms are compressed karl and candase have done something very similar they have compressed their vast requirements knowledge into 20 gems they call core practices these practices are potent stuff and i recommend that they become part of everyone s requirements arsenal james robertson author of mastering the requirements process and business analysis agility long story short if you are going to read only one requirements book this is it software requirements essentials distills the wealth of information found in software requirements and many other texts down to twenty of the most important requirements activities that apply on nearly all projects today s busy ba simply doesn t have the time to read a lengthy instructive guide front to back but they should find the time to read this book from the foreword by joy beatty coo argondigital software requirements essentials will be a high value addition to your business analysis library anyone looking to improve their business analysis practices will find great practical advice they ll be able to apply immediately laura paton principal consultant ba academy inc register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

JVM Performance Engineering

2024-05-03

peek under the hood of the complex but fascinating java virtual machine dive into the intricacies of jvm performance with jvm performance engineering the essential guide for seasoned java developers eager to demystify the jvm focusing on the openjdk hotspot vm this book provides insights into cutting edge java performance techniques and trends distinguished java champion monica beckwith blends theoretical insights and practical tools encompassing case studies applications use case diagrams and process flow charts to demonstrate diagnostic techniques performance methodologies and optimizations this manual is a portal to excelling in java performance engineering offering java developers system architects and software engineers the tools to foster career advancement and success with java applications examine the evolving java type system from lambda expressions to the advent of records and sealed classes and explore how project valhalla aims to further optimize performance leverage the unified jvm logging interface for enhanced diagnostics monitoring and performance testing featuring the novel asynchronous logging mechanism grasp the intricate relationship between jvm and hardware mastering end to end java performance optimization techniques gain deep insights into jvm s garbage collection and memory management examining the pivotal garbage first and z gcs and how they are shaping the java performance landscape explore efficient deployment strategies and techniques to accelerate jvm readiness leveraging class data sharing ahead of time compilation and innovations like graalvm and upcoming project leyden embark on an exploration of the synergy between the jvm and exotic hardware like gpus and fpgas and revel in the potential of project panama and tornadovm in high computational scenarios such as machine learning and data analytics look ahead to the future of java concurrency with virtual threads and investigate runtime optimizations of string handling and concurrency propelling java forward register your product for convenient access to downloads updates and or corrections as they become available see inside for details

Responsible AI

2023-12-08

the first practical guide for operationalizing responsible ai from mul ti level governance mechanisms to concrete design patterns and software engineering techniques ai is solving real world challenges and transforming industries yet there are serious concerns about its ability to behave and make decisions in a responsible way operationalizing responsible ai is about providing concrete guidelines to a wide range of decisionmakers and technologists on how to govern design and build responsible ai systems these include governance mechanisms at the industry organizational and team level software engineering best practices architecture styles and design patterns system level techniques connecting code with data and models and trade offs in design decisions responsible ai includes a set of practices that technologists for example technology conversant decision makers software developers and ai practitioners can undertake to ensure the ai systems they develop or adopt are trustworthy throughout the entire lifecycle and can be trusted by those who use them the book offers guidelines and best practices not just for the ai part of a system but also for the much larger software infrastructure that typically wraps around the ai first book of its kind to cover the topic of operationalizing responsible ai from the perspective of the entire software development life cycle concrete and actionable guidelines throughout the lifecycle of ai systems including governance mechanisms process best practices design patterns and system engineering techniques authors are leading experts in the areas of responsible technology ai engineering and software engineering reduce the risks of ai adoption accelerate ai adoption in responsible ways and translate ethical principles into products consultancy and policy impact to support the ai industry online repository of patterns techniques examples and playbooks kept up to date by the authors real world case studies to demonstrate responsible ai in practice chart the course to responsible ai excellence from governance to design with actionable insights and engineering prowess found in this defi nitive guide

Building a Career in Cybersecurity

2023-07-09

the insider s guide to launching and accelerating your cybersecurity career cybersecurity is one of the world s fastest growing most exciting fields but that doesn t mean it s easy to enter the industry and succeed now there s a complete guide to creating a great cybersecurity career whether you re migrating to cybersecurity from another field or already a cybersecurity professional building a career in cybersecurity doesn t teach detailed technical skills you can get from a thousand books and videos instead yuri diogenes focuses on make or break knowledge you won t find elsewhere personal strategy planning process mindset and the critical soft skills today s employers are desperate to find diogenes is your perfect guide he s been there and done it all he is principal pm manager for a cybersecurity team at microsoft hiring the next generation of practitioners he s also a professor for a bachelor s degree program in cybersecurity where he prepares students to become cybersecurity professionals diogenes will show you exactly what leaders like him are looking for and mentor you step by step through getting started and moving forward don t learn the hard way by making costly career mistakes get this book and build your plan to win assess your fit skills motivation and readiness compare the industry s career paths and decide what to aim for create a game plan fill skill gaps set timelines create a portfolio and target the right certs build a cloud based lab to hone your modern technical skills develop a network that puts you in the right place at the right time prepare to ace your interview treat your employer as your customer and overcome obstacles to success get work life balance right so you can stay passionate about what you re doing grow in your career even if you re working remotely plan your next moves and become more valuable as the industry evolves

Learn Enough Python to Be Dangerous

2023-06-08

all you need to know and nothing you don t to solve real problems with python python is one of the most popular programming languages in the world used for everything from shell scripts to web development to data science as a result python is a great language to learn but you don t need to learn everything to get started just how to use it efficiently to solve real problems in learn enough python to be dangerous renowned instructor michael hartl teaches the specific concepts skills and approaches you need to be professionally productive even if you ve never programmed before hartl helps you quickly build technical sophistication and master the lore you need to succeed hartl introduces python both as a general purpose language and as a specialist tool for web development and data science presenting focused examples and exercises that help you internalize what matters without wasting time on details pros don t care about soon it ll be like you were born knowing this stuff and you ll be suddenly seriously dangerous learn enough about applying core python concepts with the interactive interpreter and command line writing object oriented code with python s native objects developing and publishing self contained python packages using elegant powerful functional programming techniques including python comprehensions building new objects and extending them via test driven development tdd leveraging python s exceptional shell scripting capabilities creating and deploying a full web app using routes layouts templates and forms getting started with data science tools for numerical computations data visualization data analysis and machine learning mastering concrete and informal skills every developer needs michael hartl s learn enough series includes books and video courses that focus on the most important parts of each subject so you don t have to learn everything to get started you just have to learn enough to be dangerous and solve technical problems yourself like this book don t miss michael hartl s companion video tutorial learn enough python to be dangerous livelessons register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Introduction to AutoCAD 2024

2023-10-06

introduction to autocad 2024 addresses advances in technology and introduces students to 2 dimensional drawing skills and commands using the 2024 release of autocad straightforward explanations focus on actual drawing procedures and illustrations show what to expect on the computer screen it continuously builds on concepts covered in previous chapters contains exercises combined with in text notes and offers examples that provide the how and why of autocad fundamentals projects are included at the end of each chapter and provide hands on experience creating various types of mechanical architectural civil and electrical drawings this text is appropriate for introductory and intermediate autocad courses introduces autocad drafting skills editing techniques working with complex objects annotating drawings outputting your work advanced drawing and construction methods and collaborating with others on the web pedagogy reinforces learning objectives throughout with chapter objectives key term definitions command grids that concisely offer multiple ways of achieving the task at hand new version icons that highlight new software features quickly and discipline icons that identify the field of study throughout hands on exercises appear throughout the text to reinforce learning and end of chapter projects require students to demonstrate a full understanding of the concepts presented in the chapter introduction to autocad 2024 provides students with the tools they need to develop drafting skills with autocad

Security in Computing

2023-07-24

the art of computer and information security from apps and networks to cloud and crypto security in computing sixth edition is today s essential text for anyone teaching learning and practicing cybersecurity it defines core principles underlying modern security policies processes and protection illustrates them with up to date examples and shows how to apply them in practice modular and flexibly organized this book supports a wide array of courses strengthens professionals knowledge of foundational principles and imparts a more expansive understanding of modern security this extensively updated edition adds or expands coverage of artificial intelligence and machine learning tools app and browser security security by design securing cloud iot and embedded systems privacy enhancing technologies protecting vulnerable individuals and groups strengthening security culture cryptocurrencies and blockchain cyberwarfare post quantum computing and more it contains many new diagrams exercises sidebars and examples and is suitable for use with two leading frameworks the us nist national initiative for cybersecurity education nice and the uk cyber security body of knowledge cybok core security concepts assets threats vulnerabilities controls confidentiality integrity availability attackers and attack types the security practitioner s toolbox identification and authentication access control and cryptography areas of practice securing programs user internet interaction operating systems networks data databases and cloud computing cross cutting disciplines privacy management law and ethics using cryptography formal and mathematical underpinnings and applications of cryptography emerging topics and risks ai and adaptive cybersecurity blockchains and cryptocurrencies cyberwarfare and quantum computing register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

Separation Process Engineering

2022-10-24

the definitive learner friendly guide to chemical engineering separations extensively updated including a new chapter on melt crystallization efficient separation processes are crucial to addressing many societal problems from developing new medicines to improving energy efficiency and reducing emissions separation process engineering fifth edition is the most comprehensive accessible guide to modern separation processes and the fundamentals of mass transfer in this completely updated edition phillip c wankat teaches each key concept through detailed realistic

examples using actual data with up to date simulation practice spreadsheet based exercises and references wankat thoroughly covers each separation process including flash column and batch distillation exact calculations and shortcut methods for multicomponent distillation staged and packed column design absorption stripping and more his extensive discussions of mass transfer and diffusion enable faculty to teach separations and mass transfer in a single course and detailed material on liquid liquid extraction adsorption chromatography and ion exchange prepares students for advanced work new and updated content includes melt crystallization steam distillation residue curve analysis batch washing the shanks system for percolation leaching eutectic systems forward osmosis microfiltration and hybrid separations a full chapter discusses economics and energy conservation including updated equipment costs over 300 new and updated homework problems are presented all extensively tested in undergraduate courses at purdue university new chapter on melt crystallization solid liquid phase equilibrium suspension static and falling film layer approaches and 34 questions and problems new binary vle equations and updated content on simultaneous solutions new coverage of safety and fire hazards new material on steam distillation simple multi component batch distillation and residue curve analysis expanded discussion of tray efficiencies packed column design and energy reduction in distillation new coverage of two hybrid extraction with distillation and the kremser equation in fractional extraction added sections on deicing with eutectic systems eutectic freeze concentration and scale up new sections on forward osmosis and microfiltration expanded advanced content on adsorption and ion exchange including updated instructions for eight detailed aspen chromatography labs discussion of membrane separations including gas permeation reverse osmosis ultrafiltration pervaporation and applications thirteen up to date aspen plus process simulation labs adaptable to any simulator this guide reflects an up to date understanding of how modern students learn designed organized and written to be exceptionally clear and easy to use it presents detailed examples in a clear standard format using real data to solve actual engineering problems preparing students for their future careers

NOOK HD: The Missing Manual

2013-02-15

now that you have a new nook hd tablet all you need is the know how to take full advantage of its features with this book technology expert preston gralla provides clear instructions full color illustrations and savvy advice to help you get up to speed on the new video and family friendly features as well as manage wifi access web browsing email and apps make the most out of your sleek device with the best nook guide you ll find anywhere the important stuff you need to know relax with a book load your nook library with ebooks comics and interactive books for kids play with apps enjoy the games and apps everyone s talking about go online browse the and check your email with built in wifi spread the word share books and recommendations with your nook friends and facebook and twitter contacts take in a show watch movies and tv series and listen to your favorite music anywhere read all about it subscribe to a variety of magazines and newspapers

Integrated Intelligence

2020-02-12

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