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Our Own Devices - Gilles Messier 2021-03-26
Mid-century speculative retro fiction. The Second World War. Nuclear Power. Space Exploration. These powerful forces forever changed the course of history. In these nine new stories and three essays Messier explores our intimate and often fickle relationship with science and technology in the 1940s, 1950s and 1960s, and how it came to define our past, present and future. Science + Fiction based on 20th-century history, with 27 archival photographs.

Concurrency Control and Recovery in Database Systems - Philip A. Bernstein 1987

Introduction to Database Systems - Itl Education Solutions Limited 2010-09

Monthly Statistical Statement - Ireland. Dept. of Agriculture and Technical Instruction 1921

Internet All In One Desk Reference For Dummies - John R. Levine 2000-06-15
The Internet is a big topic, and an intimidating one to a new user. Not only do you need to find and connect to a service provider to go online, but you also have to figure out how to use communications software before you even begin reaping the benefits of being online. The Internet 9 In 1 For Dummies Desk Reference reduces the intimidation by giving simple and

helpful instruction on going online, using e-mail, reading newsgroups, chatting, browsing the Web, and creating Web pages. This book also helps readers understand popular Internet activities like shopping on the Web and electronic investing. The Internet 9 In 1 For Dummies Desk Reference features an Internet directory that points readers to the tried and true sites on the Web that deliver great content and service. The book also includes special section-specific indexes as well as a general index to better help readers find the information they want right away. This Desk Reference also includes a CD-ROM that includes many of the tools mentioned in the book that an Internet user needs to enhance their experience including Internet Explorer 5, Netscape Communicator 4.5, Outlook Express, a variety of Web building tools, and a page of links to Web sites referenced throughout the book.

Railway Management and Engineering - V Profillidis 2017-11-30

In a rapidly changing world, with increasing competition in all sectors of transportation, railways are in a period of restructuring their management and technology. New methods of organization are introduced, commercial and tariff policies change radically, a more entrepreneurial spirit is required. At the same time, new high-speed tracks are being constructed and old tracks are renewed, high-

comfort rolling stock vehicles are being introduced, logistics and combined transport are being developed. Awareness of environmental issues and search for greater safety give to the railways a new role within the transportation system. Meanwhile, methods of analysis have significantly evolved, principally due to computer applications and new ways of thinking and approaching old problems. Therefore it becomes necessary to come up with a new scientific approach to tackle management and engineering aspects of railways, to understand in-depth the origins and inter-relationships of the various situations and phenomena and to suggest the appropriate methods and solutions to solve the various emerging problems. This book aims to cover the need for a new scientific approach for railways. It is written for railway managers, economists and engineers, consulting economists and engineers, students of schools of engineering, transportation and management. The book is divided into three distinct parts: Part A deals with the management of railways, Part B deals with the track and, Part C deals with rolling stock and environmental topics. Each chapter of the book contains the necessary theoretical analysis of the phenomena studied, the recommended solutions, applications, charts and design of the specific railway component. In this way, both the requirement for a theoretical analysis is met, and the need of the railway manager and engineer for tables, nomographs, regulations, etc. is satisfied. Railways in Europe have separated activities of infrastructure from those of operation. In other parts of the world, however, railways remain unified. The book addresses both situation. Railways present great differences in their technologies. Something may be valid for one such technology, but not for another. To overcome this problem, regulations of the International Union of Railways (UIC) as well as European Standardization (CEN) have been used to the greatest extent possible. Whenever a specific technology or method is presented, the limits of its application are clearly emphasized.

Professional SQL Server 2000 Data Warehousing with Analysis Services - Tony Bain 2001

In this book, the author introduces the key concepts of data warehousing, OLAP, and data mining. In addition to coverage of Data

Transformation Services (DTS) and MDX, this book also demonstrates how to develop an Analysis Services client application, and how to secure and optimize a data warehouse.

The Evolution of the Airline Industry - Steven Morrison 2010-12-01

Since the enactment of the Airline Deregulation Act in 1978, questions that had been at the heart of the ongoing debate about the industry for eighty years gained a new intensity: Is there enough competition among airlines to ensure that passengers do not pay excessive fares? Can an unregulated airline industry be profitable? Is air travel safe? While economic regulation provided a certain stability for both passengers and the industry, deregulation changed everything. A new fare structure emerged; travelers faced a variety of fares and travel restrictions; and the offerings changed frequently. In the last fifteen years, the airline industry's earnings have fluctuated wildly. New carriers entered the industry, but several declared bankruptcy, and Eastern, Pan Am, and Midway were liquidated. As financial pressures mounted, fears have arisen that air safety is being compromised by carriers who cut costs by skimping on maintenance and hiring inexperienced pilots. Deregulation itself became an issue with many critics calling for a return to some form of regulation. In this book, Steven A. Morrison and Clifford Winston assert that all too often public discussion of the issues of airline competition, profitability, and safety take place without a firm understanding of the facts. The policy recommendations that emerge frequently ignore the long-run evolution of the industry and its capacity to solve its own problems. This book provides a comprehensive profile of the industry as it has evolved, both before and since deregulation. The authors identify the problems the industry faces, assess their severity and their underlying causes, and indicate whether government policy can play an effective role in improving performance. They also develop a basis for understanding the industry's evolution and how the industry will eventually adapt to the unregulated economic environment. Morrison and Winston maintain that although the airline industry has not reached long-run equilibrium, its evolution is proceeding in a positive direction—one that will preserve and possibly

enhance the benefits of deregulation to travelers and carriers. They conclude that the federal government's primary policy objective should be to expand the benefits from unregulated market forces to international travel. Brookings Review article also available

Trees of Delhi - Pradip Krishen 2006

Soft Skills 3rd Edition - Prashant Sharma
2021-10-29

Essential guide to set your path to great success
KEY FEATURES The book is like a GPS for the reader, where they are able to visualize the quickest ways to reach their desired goals. ● Experts Quotes ● Learning Milestones ● Learning Mastery: The Essentials of the topic ● Case In Point: Real World examples for application of the concepts ● Illustrations and Graphics ● Knowledge Check ● Case Studies ● Applied Knowledge based on the Case Studies ● Business Jargon and startup terminologies ● English Vocabulary Building DESCRIPTION ● Is it Possible to get High-Impact Online or Physical Communication skills and Soft Skills in a very short period? ● Is there a way to build executive presence to get promotion, sales and visibility for your efforts from your leaders, recruiters and clients? ● Can you develop mental strength, motivation & confidence to approach your lives with a positive mental attitude? ● Can you increase your sales or income in a very short time by adopting easy and basic changes in your life? ● Do you want to learn from a corporate expert's 20+ years experience, so that you can avoid costly and time consuming mistakes and make the right decisions? Yes, through this book you can do all the above and more! Welcome to the ultimate guide to unleashing your potential. This book aims to impart high-impact soft skills like executive presence, time management, public speaking, first impression, professionalism, etiquette, negotiation, job interview, group discussion, leadership, teamwork, communication, creativity, interpersonal skills, emotional intelligence, and much more. In a post Covid world, building a strong Online Presence has become a necessity. Whereas online meetings used to be optional, it is the norm now. A new chapter on Online Presence has been added to give the reader a competitive advantage in this new Virtual online

space. A Good professional needs to have strong Language skills. Recognizing this need, the book has a section in every chapter that highlights important words and Business phrases used in the corporate industry along with their meanings. Hacks used for speed learning: Experts quotes | learning milestones | learning mastery: the essentials of the topic | case in point: real world examples for application of the concepts | illustrations and graphics | knowledge check | case studies | applied knowledge based on the case studies | business jargon and Start-up terminologies | English vocabulary building Here are a few questions our readers have asked the author. 1. I am very strong technically. Why must I learn soft skills? There is a popular saying: The first Impression is the last Impression. A good first impression that creates lifelong relationships is created through effective habits and an ability to say the right thing at the right time to the right person. To manage teams, to have good relationships with your bosses and leaders, to get the job and promotion of your dreams, it is important that we learn how to get soft skills. Formal education and technical certifications are not enough. Our technical experience is insufficient. That's where soft skills are important. Technical skills get you through the door, but soft skills help you progress upwards from floor to floor till you reach the corner office! 2. There are so many soft skills books already. What makes this one different? There are 3 main reasons why you should read this book: a. I have almost 20 years of Corporate, Business and Training experience. Starting my career as an Assistant manager with the Taj Hotels, I have experience as a founder of 3 start ups and over 15 years as a Life, Business and Executive Coach. The format of this book is entirely based on case studies experienced by me by interacting with thousands of clients and training sessions. b. Neuroscience is a very hot field right now with lots of applications in business. For the first time, I have shared new experiences and ideas on 'How to Promote Yourself' by using applied Neuroscience. I have shared how Neuromarketing helps you to handle difficult people, establish rapport and relationships and become expert people managers. c. This book highlights frequently committed mistakes by others, and suggests

ways to avoid these. Life changing frameworks are showcased through case studies and examples. These help you to apply these easy methods immediately in your lives and most importantly become part of your basic nature. 3. What can I expect after reading this book? The book is like a GPS for the readers, who want to explore the quickest ways to reach their desired goals. There is no boring theory, no wasted time! It provides professionals who don't have a background on sales to effectively 'sell' their skills. The reader learns how to 'package' their verbal and non-verbal communication to influence others. Short bite-sized business storytelling has been used to keep the reader interested and energized and motivated to apply these skills in their own life. Building a strong Online Presence can make the crucial difference between cracking that interview, influencing unsure clients positively and making the best impression on key stakeholders. This book imparts easy hacks to becoming an online champion. 3. Any other tips for getting the maximum benefit from this book? I will encourage the reader to read a few pages at a time, then try to apply the solutions and come back and fine-tune their approach by reading a few more pages. Read this book over the course of 6-8 weeks for optimal results. To develop these skills, the reader should read about a chapter and guidelines on how to exhibit new behaviour without feeling shy or conscious. Once the reader begins to exhibit appropriate behaviour in all situations: personal and professional then sustained behavior becomes a habit. This then becomes part of the reader's basic nature. WHAT YOU WILL LEARN The book aims to provide the reader with a practical understanding of corporate and business life. It has been written by an experienced coach and industry professional with a real-world corporate perspective. WHO THIS BOOK IS FOR The book imparts proven coaching techniques and takes the reader on a journey towards exceptional leadership and management. Book helps the reader to apply it immediately in their lives and keep for life. TABLE OF CONTENTS 1. Soft Skills: An Overview 2. Emotional Intelligence 3. Self-Image Management 4. Team Building and Cooperation Teamwork, Conflict Management, Negotiation Skills 5. Time Management and Goal

Setting 6. Communication Skills 7. Verbal Communication- Part 1 8. Verbal Communication - Part 2 9. Non-Verbal Communication 10. Building Online Presence 11. Level 2: Career 12. Level 3: Courtesy & Habits Guide To Correct Etiquette, Grooming & Hygiene 13. Resume Writing & Job Applications 14. Group Discussions 15. Personal Interview and Interactions 16. The Art of Promoting Yourself **RT Essentials** - Jesse Vincent 2005-08-18 Provides information on using the ticketing system Request Tracker. [Deep Learning with Python](#) - Francois Chollet 2017-11-30 Summary Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn't beat a serious Go player, to defeating a world champion. Behind this progress is deep learning—a combination of engineering advances, best practices, and theory that enables a wealth of previously impossible smart applications. About the Book Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. You'll explore challenging concepts and practice with applications in computer vision, natural-language processing, and generative models. By the time you finish, you'll have the knowledge and hands-on skills to apply deep learning in your own projects. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need

intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the Conference and Workshop on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others.

Table of Contents PART 1 - FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin: the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU instance

Database Replication - Bettina Kemme 2010 Database replication is widely used for fault-tolerance, scalability and performance. The failure of one database replica does not stop the system from working as available replicas can take over the tasks of the failed replica. Scalability can be achieved by distributing the load across all replicas, and adding new replicas should the load increase. Finally, database replication can provide fast local access, even if clients are geographically distributed clients, if data copies are located close to clients. Despite its advantages, replication is not a straightforward technique to apply, and there are many hurdles to overcome. At the forefront is replica control: assuring that data copies remain consistent when updates occur. There exist many alternatives in regard to where updates can occur and when changes are propagated to data copies, how changes are applied, where the replication tool is located,

etc. A particular challenge is to combine replica control with transaction management as it requires several operations to be treated as a single logical unit, and it provides atomicity, consistency, isolation and durability across the replicated system. The book provides a categorization of replica control mechanisms, presents several replica and concurrency control mechanisms in detail, and discusses many of the issues that arise when such solutions need to be implemented within or on top of relational database systems. Table of Contents: Overview / 1-Copy-Equivalence and Consistency / Basic Protocols / Replication Architecture / The Scalability of Replication / Eager Replication and 1-Copy-Serializability / 1-Copy-Snapshot Isolation / Lazy Replication / Self-Configuration and Elasticity / Other Aspects of Replication **MySQL and Java Developer's Guide** - Mark Matthews 2003-03-14

Shows Java developers everything they need to know to build Java database applications with MySQL. Takes a hands-on, code-intensive approach in which readers will learn how to build a sophisticated Web database management application. Begins with a review of the fundamentals of MySQL. Explains using Java's JDBC with MySQL, as well as servlet and JSP programming with MySQL. Provides a code-rich tutorial on how to build the sample Java database application using EJBs. The companion Web site provides the full code examples plus links to useful sites.

Electronic Finance - Stijn Claessens 2002-01-01 Technological developments in electronic finance have changed the nature and delivery of financial services in recent years, especially through the use of online banking, online trading and brokerage services. This report reviews the developments in e-finance and analyses the implications for consumers, financial service providers and governments. Issues discussed include: the impact on competition within the financial services industry; how financial sector policies in emerging markets are affected; public policy and regulatory requirements. Interaction Design - 2003

The Military Guide to Financial Independence and Retirement - Doug Nordman 2011-06

"Filled with examples, checklists, websites, and a rich collection of appendices that deal with inflation, multiple income streams, and the value of a military pension, this book is essential reading for anyone contemplating retiring from the military"--From publisher's website.

Bits and Atoms - Steven Livingston 2014-02

Bits and Atoms explores the governance potential found in the explosive growth of digital information and communication technology in areas of limited statehood. The chapters explore when and if the growth in digital technology can fill some of the governance vacuum created by the absence of an effective state.

Learning MySQL - Saied M.M. Tahaghoghi 2007-11-28

Presents instructions on using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.

The 250 Job Interview Questions - Peter Veruki 1999-02-01

Why do you want this job? Why should I hire you? Why do you want to leave your current job? Do you have convincing answers ready for these important questions? Landing a good job is a competitive process and often the final decision is based on your performance at the interview. By following the advice of prominent career planning and human resources expert Peter Veruki, you'll know you have the right answers at your job interview.

The Internet of Things - Ricardo Armentano 2017-10-16

This book provides a dual perspective on the Internet of Things and ubiquitous computing, along with their applications in healthcare and smart cities. It also covers other interdisciplinary aspects of the Internet of Things like big data, embedded Systems and wireless Sensor Networks. Detailed coverage of the underlying architecture, framework, and state-of-the-art methodologies form the core of the book.

Public Speaking: Choices and Responsibility - William Keith 2016-01-01

Packed with hands-on applications, PUBLIC SPEAKING: CHOICES AND RESPONSIBILITY, 2e delivers a practical and up-to-date public speaking text based on rhetorical theory. It emphasizes the role of choices and civic

engagement/responsibility throughout in narrative, features, and examples. It also describes the audience as a public to which the speaker belongs, rather than as a separate entity defined only by demographics. The Second Edition includes new coverage of Monroe's Motivated Sequence, discussions of TED talks and PechaKucha, extended treatment of fallacies, and expanded emphasis on outlining. In addition, new Remix features apply the latest research in business and social science to public speaking skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mastering Microservices with Java 9 - Sourabh Sharma 2017-12-07

Master the art of implementing scalable microservices in your production environment with ease About This Book Use domain-driven design to build microservices Use Spring Cloud to use Service Discovery and Registration Use Kafka, Avro and Spring Streams for implementing event based microservices Who This Book Is For This book is for Java developers who are familiar with the microservices architecture and now wants to take a deeper dive into effectively implementing microservices at an enterprise level. A reasonable knowledge level and understanding of core microservice elements and applications is expected. What You Will Learn Use domain-driven design to design and implement microservices Secure microservices using Spring Security Learn to develop REST service development Deploy and test microservices Troubleshoot and debug the issues faced during development Learning best practices and common principals about microservices In Detail Microservices are the next big thing in designing scalable, easy-to-maintain applications. It not only makes app development easier, but also offers great flexibility to utilize various resources optimally. If you want to build an enterprise-ready implementation of the microservices architecture, then this is the book for you! Starting off by understanding the core concepts and framework, you will then focus on the high-level design of large software projects. You will gradually move on to setting up the development environment and configuring it before

implementing continuous integration to deploy your microservice architecture. Using Spring security, you will secure microservices and test them effectively using REST Java clients and other tools like RxJava 2.0. We'll show you the best patterns, practices and common principals of microservice design and you'll learn to troubleshoot and debug the issues faced during development. We'll show you how to design and implement reactive microservices. Finally, we'll show you how to migrate a monolithic application to microservices based application. By the end of the book, you will know how to build smaller, lighter, and faster services that can be implemented easily in a production environment. Style and approach This book starts from the basics, including environment setup and provides easy-to-follow steps to implement the sample project using microservices.

Reinforcement Learning, second edition - Richard S. Sutton 2018-11-13

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods.

Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

Advances in Practical Applications of Agents, Multi-Agent Systems, and Complexity: The PAAMS Collection - Yves Demazeau 2018-06-19

This book constitutes the proceedings of the 16th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS 2018, held in Toledo, Spain, in June 2018. The 20 regular and 19 demo papers presented in this volume were carefully reviewed and selected from 57 submissions. They deal with the application and validation of agent-based models, methods, and technologies in a number of key applications areas, such as: energy and security; engineering and tools; evaluation and ethics; negotiation and organisations; personalization and learning; simulation applications; simulation platforms; social networks and humans. The book also contains two invited talks in full paper length.

A History of the Rectangular Survey System - C. Albert White 1983

System Engineering Analysis, Design, and Development - Charles S. Wasson 2015-11-16

Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." -Philip Allen This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a

common focal point for “bridging the gap” between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services. Each chapter provides definitions of key terms, guiding principles, examples, author’s notes, real-world examples, and exercises, which highlight and reinforce key SE&D concepts and practices. Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MDD), Unified Modeling Language (UML) / Systems Modeling Language (SysML), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation (V&V). Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

Broadband Wireless Communications for Railway Applications - Émilie Masson
2016-10-14

This book focuses on the needs of railway operators in terms of wireless communications, divided in two main categories: the commercial services and the operational needs. Then, all available technologies that can be used to provide Internet access on board trains and all

the other operational applications requiring high capacity are detailed. Finally, challenges and trends in railway telecommunications are highlighted, through the presentation of the future and emerging technologies, the current discussions and works in the different authorities, and the key challenges and scientific barriers.

Analysis Patterns - Martin Fowler 1996-10-09

This innovative book recognizes the need within the object-oriented community for a book that goes beyond the tools and techniques of the typical methodology book. In *Analysis Patterns: Reusable Object Models*, Martin Fowler focuses on the end result of object-oriented analysis and design—the models themselves. He shares with you his wealth of object modeling experience and his keen eye for identifying repeating problems and transforming them into reusable models. *Analysis Patterns* provides a catalogue of patterns that have emerged in a wide range of domains including trading, measurement, accounting and organizational relationships. Recognizing that conceptual patterns cannot exist in isolation, the author also presents a series of "support patterns" that discuss how to turn conceptual models into software that in turn fits into an architecture for a large information system. Included in each pattern is the reasoning behind their design, rules for when they should and should not be used, and tips for implementation. The examples presented in this book comprise a cookbook of useful models and insight into the skill of reuse that will improve analysis, modeling and implementation.

Advances in Manufacturing Technology XXXI - J. Gao 2017-08-23

The urgent need to keep pace with the accelerating globalization of manufacturing in the 21st century has produced rapid advances in manufacturing research, development and innovation. This book presents the proceedings of the 15th International Conference on Manufacturing Research (ICMR 2017), which also incorporated the 32nd National Conference on Manufacturing Research (NCOMR) and was held at the University of Greenwich, London, UK, in September 2017. The conference brings together a broad community of researchers who share the common goal of developing and

managing the technologies and operations key to sustaining the success of manufacturing businesses. The book is divided into 13 parts, covering topics such as advanced manufacturing technologies (including additive, ultra-precision and nano-manufacturing); manufacturing systems (digital and cyber-physical systems); product design and development (including lifecycle management and supply-chain collaboration); information and communication (including innovation and knowledge management); and manufacturing management (including lean, sustainable and cost engineering). With its comprehensive overview of current developments, this book will be of interest to all those involved in manufacturing today.

Airport Slots - Achim I. Czerny 2008

Over the past several decades, commercial air traffic has been growing at a far greater rate than airport capacity, causing airports to become increasingly congested. How can we accommodate this increased traffic and at the same time alleviate traffic delays resulting from congestion? *Airport Slots* provides a valuable contribution to the debate on how best to limit airport congestion. The book's comprehensive treatment of the subject matter provides the reader with a 'one-stop' volume to explore airport congestion and slot-allocation schemes, offering valuable insights to academics and practitioners alike.

Searching and Seizing Computers and Obtaining Electronic Evidence in Criminal Investigations - Orin S. Kerr 2001

Atomic Design - Brad Frost 2016-12-05

Android Apps for Absolute Beginners - Wallace Jackson 2017-03-14

Get your first Android apps up and running with the help of plain English and practical examples. If you have a great idea for an Android app, but have never programmed before, then this book is for you. *Android Apps for Absolute Beginners* cuts through the fog of jargon and mystery that surrounds Android app development, and gives you simple, step-by-step instructions to get you started. This book teaches Android application development in language anyone can understand, giving you the best possible start in

Android development. It provides clean, straightforward examples that make learning easy, allowing you to pick up the concepts without fuss. It offers clear code descriptions and layout so that you can get your apps running as soon as possible. Although this book covers what's new in Android 7, it is also backwards compatible to cover some of the previous Android releases. What You'll Learn Download, install, and configure the latest software needed for Android app development Work efficiently using an integrated development environment (IDE) Build useful, attractive applications and get them working immediately Create apps with ease using XML markup and drag-and-drop graphical layout editors Use new media and graphics to skin your app so that it has maximum appeal Create advanced apps combining XML, Java and new media content Who This Book Is For If you have a great idea for an Android app, but have never programmed before, then this book is for you. You don't need to have any previous computer programming skills — as long as you have a desire to learn and you know which end of the mouse is which, the world of Android apps development awaits.

Software Quality Assurance - Claude Y. Laporte 2018-01-04

This book introduces Software Quality Assurance (SQA) and provides an overview of standards used to implement SQA. It defines ways to assess the effectiveness of how one approaches software quality across key industry sectors such as telecommunications, transport, defense, and aerospace. Includes supplementary website with an instructor's guide and solutions Applies IEEE software standards as well as the Capability Maturity Model Integration for Development (CMMI) Illustrates the application of software quality assurance practices through the use of practical examples, quotes from experts, and tips from the authors

Graph Coloring Problems - Tommy R. Jensen 2011-10-24

Contains a wealth of information previously scattered in research journals, conference proceedings and technical reports. Identifies more than 200 unsolved problems. Every problem is stated in a self-contained, extremely accessible format, followed by comments on its history, related results and literature. The book

will stimulate research and help avoid efforts on solving already settled problems. Each chapter concludes with a comprehensive list of references which will lead readers to original sources, important contributions and other surveys.

Code like a Pro in C# - Jort Rodenburg

2021-08-24

Build on your existing programming skills and upskill to professional-level C# programming. Summary In Code Like A Pro in C# you will learn: Unit testing and test-driven development Refactor a legacy .NET codebase Principles of clean code Essential backend architecture skills Query and manipulate databases with LINQ and Entity Framework Core Critical business applications worldwide are written in the versatile C# language and the powerful .NET platform, running on desktops, cloud systems, and Windows or Linux servers. Code Like a Pro in C# makes it easy to turn your existing abilities in C# or another OO language (such as Java) into practical C# mastery. There's no "Hello World" or Computer Science 101 basics—you'll learn by refactoring an out-of-date legacy codebase, using new techniques, tools, and best practices to bring it up to modern C# standards. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology You know the basics, now get ready for the next step! Pro-quality C# code is efficient, clean, and fast. Whether you're building user-facing business applications or writing data-intensive backend services, the experience-based, practical techniques in this book will take your C# skills to a new level. About the book Code Like a Pro in C# teaches you to how write clean C# code that's suitable for enterprise applications. In this book, you'll refactor a legacy codebase by applying modern C# techniques. You'll explore tools like Entity Framework Core, design techniques like dependency injection, and key practices like testing and clean coding. It's a perfect path to upgrade your existing C# skills or shift from another OO language into C# and the .NET ecosystem. What's inside Unit testing and test-driven development Refactor a legacy .NET codebase Principles of clean code Query and manipulate databases with LINQ and Entity

Framework Core About the reader For developers experienced with object-oriented programming. No C# experience required. About the author Jort Rodenburg is a software engineer who has taught numerous courses on getting up to speed with C# and .NET. Table of Contents PART 1 USING C# AND .NET 1 Introducing C# and .NET 2 .NET and how it compiles PART 2 THE EXISTING CODEBASE 3 How bad is this code? 4 Manage your unmanaged resources! PART 3 THE DATABASE ACCESS LAYER 5 Setting up a project and database with Entity Framework Core PART 4 THE REPOSITORY LAYER 6 Test-driven development and dependency injection 7 Comparing objects 8 Stubbing, generics, and coupling 9 Extension methods, streams, and abstract classes PART 5 THE SERVICE LAYER 10 Reflection and mocks 11 Runtime type checking revisited and error handling 12 Using IEnumerable and yield return PART 6 THE CONTROLLER LAYER 13 Middleware, HTTP routing, and HTTP responses 14 JSON serialization/deserialization and custom model binding

Proceedings of the 5th International Conference on Frontiers in Intelligent Computing: Theory and Applications - Suresh Chandra Satapathy
2017-03-02

The book is a collection of high-quality peer-reviewed research papers presented at International Conference on Frontiers of Intelligent Computing: Theory and applications (FICTA 2016) held at School of Computer Engineering, KIIT University, Bhubaneswar, India during 16 - 17 September 2016. The book aims to present theories, methodologies, new ideas, experiences, applications in all areas of intelligent computing and its applications to various engineering disciplines like computer science, electronics, electrical, mechanical engineering, etc.

The Future of Disability in America - Institute of Medicine 2007-10-24

The future of disability in America will depend on how well the U.S. prepares for and manages the demographic, fiscal, and technological developments that will unfold during the next two to three decades. Building upon two prior studies from the Institute of Medicine (the 1991 Institute of Medicine's report Disability in

America and the 1997 report Enabling America), The Future of Disability in America examines both progress and concerns about continuing barriers that limit the independence, productivity, and participation in community life of people with disabilities. This book offers a comprehensive look at a wide range of issues, including the prevalence of disability across the lifespan; disability trends the role of assistive technology; barriers posed by health care and other facilities with inaccessible buildings, equipment, and information formats; the needs of young people moving from pediatric to adult health care and of adults experiencing premature aging and secondary health problems; selected issues in health care financing (e.g., risk adjusting payments to health plans, coverage of assistive technology); and the organizing and financing of disability-related research. The Future of Disability in America is an assessment of both principles and scientific evidence for disability policies and services. This book's recommendations propose steps to

eliminate barriers and strengthen the evidence base for future public and private actions to reduce the impact of disability on individuals, families, and society.

Railway Engineering - Satish Chandra
2013-02-02

Railway Engineering has been specially designed for undergraduate students of civil engineering. From fundamental topics to modern technological developments, the book covers all aspects of the railways including various modernization plans covering tracks, locomotives, and rolling stock. Important statistical data about the Indian Railways and other useful information have also been incorporated to make the coverage comprehensive. A number of illustrative examples supplement text to aid easy understanding of design methods discussed. The book should also serve the need of students of polytechnics and those appearing of the AMIE examination and would also be a ready reference for railway professionals.