

Uwp App Development 101 2nd Edition Introduction

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Universal Access in Human-Computer Interaction. Design for All and EInclusion - Constantine Stephanidis 2011

An Introduction to IMS - Barbara Klein 2012

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MicrosoftInternetExplorer4 IBM's Definitive One-Stop Guide to IMS Versions 12, 11, and 10: for Every IMS DBA, Developer, and System Programmer Over 90% of the top Fortune(R) 1000 companies rely on IBM's Information Management System (IMS) for their most critical IBM System z(R) data management needs: 50,000,000,000+ transactions run through IMS databases every day. What's more, IBM continues to upgrade IMS: Versions 12, 11, and 10 meet today's business challenges more flexibly and at a lower cost than ever before. In An Introduction to IMS, Second Edition, leading IBM experts present the definitive technical introduction to these versions of IMS. More than a complete tutorial, this book provides up-to-date examples, cases, problems, solutions, and a complete glossary of IMS terminology. Prerequisite reading for the current IBM IMS Mastery Certification Program, it reflects major recent enhancements such as dynamic information generation; new access, interoperability and development tools; improved SOA support; and much more. Whether you're a DBA, database developer, or

system programmer, it brings together all the knowledge you'll need to succeed with IMS in today's mission critical environments. Coverage includes What IMS is, how it works, how it has evolved, and how it fits into modern enterprise IT architectures Providing secure access to IMS via IMS-managed application programs Understanding how IMS and z/OS(R) work together to use hardware and software more efficiently Setting up, running, and maintaining IMS Running IMS Database Manager: using the IMS Hierarchical Database Model, sharing data, and reorganizing databases Understanding, utilizing, and optimizing IMS Transaction Manager IMS application development: application programming for the IMS Database and IMS Transaction Managers, editing and formatting messages, and programming applications in Java(TM) IMS system administration: the IMS system definition process, customizing IMS, security, logging, IMS operations, database and system recovery, and more IMS in Parallel Sysplex(R) environments: ensuring high availability, providing adequate capacity, and balancing workloads

Developing and Maintaining Emergency Operations Plans: Comprehensive Preparedness Guide (CPG) 101, Version 2. 0

- U. s. Department of Homeland Security
2013-01-23

Comprehensive Preparedness Guide (CPG) 101

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provides Federal Emergency Management Agency (FEMA) guidance on the fundamentals of planning and developing emergency operations plans (EOP). CPG 101 shows that EOPs are connected to planning efforts in the areas of prevention, protection, response, recovery, and mitigation. Version 2.0 of this Guide expands on these fundamentals and encourages emergency and homeland security managers to engage the whole community in addressing all risks that might impact their jurisdictions. While CPG 101 maintains its link to previous guidance, it also reflects the reality of the current operational planning environment. This Guide integrates key concepts from national preparedness policies and doctrines, as well as lessons learned from disasters, major incidents, national assessments, and grant programs. CPG 101 provides methods for planners to: Conduct community-based planning that engages the whole community by using a planning process that represents the actual population in the community and involves community leaders and the private sector in the planning process; Ensure plans are developed through an analysis of risk; Identify operational assumptions and resource demands; Prioritize plans and planning efforts to support their seamless transition from development to execution for any threat or hazard; Integrate and synchronize efforts across all levels of government. CPG 101 incorporates the following concepts from operational planning research and day-to-day experience: The process of planning is just as important as the resulting document; Plans are not scripts followed to the letter, but are flexible and adaptable to the actual situation; Effective plans convey the goals and objectives of the intended operation and the actions needed to achieve them. Successful operations occur when organizations know their roles, understand how they fit into the overall plan, and are able to execute the plan. Comprehensive Preparedness Guide (CPG) 101 provides guidelines on developing emergency operations plans (EOP). It promotes a common understanding of the fundamentals of risk-informed planning and decision making to help planners examine a hazard or threat and produce integrated, coordinated, and synchronized plans. The goal of CPG 101 is to make the planning process routine across all

phases of emergency management and for all homeland security mission areas. This Guide helps planners at all levels of government in their efforts to develop and maintain viable all-hazards, all-threats EOPs. Accomplished properly, planning provides a methodical way to engage the whole community in thinking through the life cycle of a potential crisis, determining required capabilities, and establishing a framework for roles and responsibilities. It shapes how a community envisions and shares a desired outcome, selects effective ways to achieve it, and communicates expected results. Each jurisdiction's plans must reflect what that community will do to address its specific risks with the unique resources it has or can obtain. Planners achieve unity of purpose through coordination and integration of plans across all levels of government, nongovernmental organizations, the private sector, and individuals and families. This supports the fundamental principle that, in many situations, emergency management and homeland security operations start at the local level and expand to include Federal, state, territorial, tribal, regional, and private sector assets as the affected jurisdiction requires additional resources and capabilities. A shared planning community increases the likelihood of integration and synchronization, makes planning cycles more efficient and effective, and makes plan maintenance easier.

Fundamentals of Computer Programming with C# - Svetlin Nakov 2013-09-01

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented

principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The book does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception

handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

C# 7 and .NET Core: Modern Cross-Platform Development - Second Edition -

Mark J. Price 2017-04-28

Create powerful cross-platform applications using C# 7, .NET Core, and Visual Studio 2017 About This Book* Build modern, cross-platform applications with .NET Core* Get up to speed with C#, and up to date with all the latest features of C#* Start creating professional web applications with ASP.NET Core Who This Book Is For This book is targeted towards readers who have some prior programming experience or a science, technology, engineering, or mathematics (STEM) background. If you want to gain a solid foundation with C# and to be introduced to the types of applications you can build and know which types will work cross-platform on Windows, Linux, and macOS, this course is for you. What you will learn* Build cross-platform applications using C# 7 and .NET Core* Explore ASP.NET Core and learn how to create professional web applications* Improve your application's performance using multitasking* Use Entity Framework Core and find out how to build code-first databases* Master object-oriented programming with C# to increase code reuse and efficiency* Familiarize yourself with cross-device app development using the Universal Windows Platform and XAML* Query and manipulate data using LINQ* Protect your data by using encryption and

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hashingIn DetailC# has recently been made open source and now supports cross-platform development for Linux, macOS, and Windows. It can be used to create everything from business applications, websites, and services to games for Android and iOS mobile phones and Xbox One. If you want to build powerful cross-platform applications with C# 7 and .Net Core, then this book is for you. First, we'll run you through the basics of C#, as well as object-oriented programming, before taking a quick tour through the latest features of C# 7 such as tuples, pattern matching, and out variables. We also look at the features of C# 6 such as string interpolation, exception filtering, and static class imports. We'll also cover both the full-feature, mature .NET framework and the newer, cross-platform .NET Core. After quickly taking you through C# and how .NET works, we'll dive into the internals of the .NET class libraries, covering topics such as performance, monitoring, debugging, serialization, and encryption. We'll look at managing your data with Entity Framework Core, developing code-first entity data models, and using LINQ to query and manipulate that data. The final section demonstrates the major types of applications that you can build and deploy cross-device and cross-platform. In this section, we'll cover Universal Windows Platform (UWP) apps, web applications, and web services. Last, we'll help you build a complete application that can be hosted on all of today's most popular platforms, including Linux and Docker. By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET Core.

Introduction to Information Retrieval -

Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in

information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Mutual, Cooperative and Employee-Owned Businesses in the Asia Pacific - Chris Rowley 2017-10-02

The 25 years leading up to the international financial crisis have been depicted as 'capitalism unleashed', containing deregulation, privatisation, demutualisation and financialisation. Yet remarkably, given this economic and political context, co-operatives and mutuals appear to have been gaining ground in many countries, albeit modestly, even before the international financial crisis and the resulting global recession, from which the global economy is still only slowly recovering. The 2007-2008 international financial crisis called into question how appropriate the shareholder-owned model is, certainly if it is allowed to dominate the financial services sector. However the International Co-operative Alliance is determined to make the mutual and co-operative sector of the economy a dynamic, sustainable and increasingly important sector of the global economy. This book looks at the contribution of co-operative, mutual and employee-owned firms to the Asia Pacific economy - both currently and prospectively - and the challenges the standard 'Western' model faces regarding employment and output. It also looks at the role of Governments, the nature of co-operatives in China and the role of the state, and the future prospects for cross-border growth of co-operative and mutual business within Asia Pacific, and more widely. This book was originally published as a Special Issue of Asia Pacific Business Review.

Global Health 101 - Richard Skolnik 2012

Global Health 101, Second Edition (formerly titled *Essentials of Global Health*) is a clear, concise, and user-friendly introduction to the most critical issues in global health. It illustrates key themes with an extensive set of case studies,

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examples, and the latest evidence. While the book offers a global perspective, particular attention is given to the health-development link, to developing countries, and to the health needs of poor and disadvantaged people. *Global Health 101* builds on the success of an introductory global health course taught by the author at the George Washington School of Public Health and Health Services and is ideally suited for the the Association of American Colleges and Universities recommended course by the same name. The text is accompanied by a wealth of instructor's resources, as well as a robust companion website with videos, presentations, and references intended to help both teachers and students. Richard Skolnik is the winner of numerous honors for teaching, has taught global health for 8 years, and has more than 30 years of experience as a global health practitioner in multilateral, university, and NGO settings. He has been actively involved in dealing with critical issues in global health at country level and at the highest levels of international health policy making. Learn more about the author. "Richard Skolnik's *Essentials of Global Health* is so comprehensive that it will be key reading in international health. In accessible language, he explains why good health is crucial to economic development, what indicators help track changes in global health, and requirements for good health systems. Approaches to solving world health problems must be underpinned by good ethics and human rights guidelines, he says, and local practices and cultures must not be ignored. Skolnik looks in detail at children's and women's health, and at the different challenges of tackling communicative and non-communicative disease in developing countries. He also maps out the key players in global health and looks ahead to future challenges." —*The Lancet*, October 2007 The book is organized in four parts: - Principles, Measurements, and the Health-Development Link: The principles of Global Health; Health Determinants, Measurements, and Trends; and Health, Education, Poverty, and the Economy. - Cross-Cutting Global Health Themes: Human Rights, Ethics, and Global Health; An Introduction to Health Systems; and Culture and Health. - The Burden of Disease: The Environment and Health; Nutrition and Health; Women's Health; Child

Health; Infectious Diseases; Non-Communicable Diseases; and Unintentional Injuries. - Working Together to Improve Global Health: Conflicts, Natural Disasters, and Other Emergencies; Cooperating to Improve Global Health; and, Science Technology, and the Public's Health." Updates to the Second Edition: Updated tables and charts to include the most recent data on the burden of disease and risk factors - An expanded section on health disparities and health equity - A greatly expanded section on Neglected Tropical Diseases - An expanded section on the financing of global health and innovative financing mechanisms - Additional information on drug resistance and emerging and re-emerging infectious diseases - Additional information on innovative mechanisms for program implementation in areas related to key chapter topics, such as performance based financing in maternal health, TB, and health systems development - An expanded section on public-private partnerships and product development partnerships for health - Additional examples and mini-case studies in all of the core chapters - A new chapter on "Careers in Global Health", with information on careers, which would be illustrated with profiles of global health leaders from around the world, who model those careers Looking for more real-life evidence? Check out Cases 1, 3, 6, 7, & 13 in *Essential Case Studies in Public Health, Putting Public Health into Practice*.

Global Health 101, Fourth Edition - Richard Skolnik 2019-10-11

In keeping with the previous edition - which was independently rated as the best global health book for undergraduates - *Global Health 101, Fourth Edition* is a clear, concise, and user-friendly introduction to the most critical issues in global health, illustrating key themes with an extensive set of case studies, examples, and the latest evidence. Drawing from his 40 years of experience working in international development and global health, as well as extensively teaching at both Yale and George Washington University, Richard Skolnik has substantially revised his bestselling textbook. This edition offers a significant amount of new and updated information, while maintaining the clarity, simplicity, and ease of use that has made this text so popular. *Global Health 101, Fourth*

Edition builds in unique ways on evidence from a number of fundamental sources, including the Global Burden of Disease Studies, Disease Control Priorities, Third Edition, (DCP3), and Millions Saved.

The Cambridge Companion to Piaget - Ulrich Müller 2009-08-31

The Cambridge Companion to Piaget provides a comprehensive introduction to different aspects of Jean Piaget's work.

A Practical Guide to Adopting the Universal Verification Methodology (UVM) Second Edition - Hannibal Height 2010

With both cookbook-style examples and in-depth verification background, novice and expert verification engineers will find information to ease their adoption of this emerging Accellera standard.

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1978

Real-Time Rendering - Tomas Akenine-Möller 2019-01-18

Thoroughly revised, this third edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. The authors have made the figures used in the book available for download for fair use.:Download Figures. Reviews Rendering has been a required reference for professional graphics practitioners for nearly a decade. This latest edition is as relevant as ever, covering topics from essential mathematical foundations to advanced techniques used by today's cutting edge games. -- Gabe Newell, President, Valve, May 2008 Rendering ... has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The

Bookwatch, November 2008 You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well as a new respect for the incredible craftsmanship that goes into today's PC games. - Logan Decker, PC Gamer Magazine , February 2009

An Introduction to Transnational Criminal Law - Neil Boister 2012-09-06

States criminalise a wide range of transnational offences, such as piracy, human trafficking, drug trafficking, terrorism, organised crime, and cybercrime. This book provides an introduction to this developing area of law, setting out what transnational crimes are, and how states can establish jurisdiction over them and enforce it.

Program Evaluation Theory and Practice, Second Edition - Donna M. Mertens 2018-11-30

The leading text that covers both the theory and practice of evaluation in one engaging volume has now been revised and updated with additional evaluation approaches (such as mixed methods and principles-focused evaluation) and new methods (such as technologically based strategies). The book features examples of small- and large-scale evaluations from a range of fields, many with reflective commentary from the evaluators; helpful checklists; and carefully crafted learning activities. Major theoretical paradigms in evaluation--and the ways they inform methodological choices--are explained. Readers learn effective strategies for clarifying their own theoretical assumptions; working with stakeholders; developing questions; using quantitative, qualitative, and mixed methods designs; selecting data collection and sampling strategies; analyzing data; and communicating and utilizing findings. The new companion website provides extensive recommended online resources and tools, organized by chapter. New to This Edition *Additional evaluation approaches: collaborative evaluation, principles-focused evaluation, and desk reviews. *Coverage of new data collection technologies and methods of qualitative coding. *Expanded discussions of logic models, cost-benefit analysis, and mixed methods designs. *Many new and updated sample studies. Pedagogical Features *Reflection questions that prepare students to read each chapter. *"Extending Your Thinking" questions and practical activities. *Boxes delving

into key concepts and example studies. *End-of-book Glossary, and highlighted key terms throughout. *Companion website with links to helpful resources on all aspects of evaluation.

Organizing Knowledge - J. E. Rowley 2008

The fourth edition of this standard student text, *Organizing Knowledge*, incorporates extensive revisions reflecting the increasing shift towards a networked and digital information environment, and its impact on documents, information, knowledge, users and managers. This is a key introductory text for undergraduate and postgraduate students of information management.

Universal Design in Higher Education -

Sheryl E. Burgstahler 2010-01-01

Universal Design in Higher Education looks at the design of physical and technological environments at institutions of higher education; at issues pertaining to curriculum and instruction; and at the full array of student services. *Universal Design in Higher Education* is a comprehensive guide for researchers and practitioners on creating fully accessible college and university programs. It is founded upon, and contributes to, theories of universal design in education that have been gaining increasingly wide attention in recent years. As greater numbers of students with disabilities attend postsecondary educational institutions, administrators have expressed increased interest in making their programs accessible to all students. This book provides both theoretical and practical guidance for schools as they work to turn this admirable goal into a reality. It addresses a comprehensive range of topics on universal design for higher education institutions, thus making a crucial contribution to the growing body of literature on special education and universal design. This book will be of unique value to university and college administrators, and to special education researchers, practitioners, and activists.

Global Health 101 - Skolnik 2016

Rated by an independent panel as the best introductory *Global Health* text for undergraduates, *Global Health 101*, Third Edition is a clear, concise, and user-friendly introduction to the most critical issues in global health. It illustrates key themes with an extensive set of case studies, examples, and the

latest evidence. Particular attention is given to the health-development link, to developing countries, and to the health needs of poor and disadvantaged people. The Third Edition is a thorough revision that offers an extensive amount of new and updated information, while maintaining clarity, simplicity, and ease of use for faculty and students. Offering the latest data on the burden of disease, the book presents unique content on key topics that are often insufficiently covered in introductory materials, such as immunization and adolescent health.

Form and Analysis Theory - 1998

This comprehensive bibliography includes over 2000 entries for book-length works that examine questions of form and analysis in a significant way.

iOS 8 App Development Essentials - Second Edition - Neil Smyth 2014-12-16

iOS 8 App Development Essentials is latest edition of this popular book series and has now been fully updated for the Swift 1.2 programming language, the iOS 8 SDK and Xcode 6.3. Beginning with the basics, this book provides an outline of the steps necessary to set up an iOS development environment. An introduction to the architecture of iOS 8 and programming in Swift is provided, followed by an in-depth look at the design of iOS applications and user interfaces. More advanced topics such as file handling, database management, in-app purchases, graphics drawing and animation are also covered, as are touch screen handling, gesture recognition, multitasking, iAds integration, location management, local notifications, camera access and video and audio playback support. Other features are also covered including Auto Layout, Twitter and Facebook integration, App Store hosted in-app purchase content, collection views, Sprite Kit-based game development, local map search and user interface animation using UIKit dynamics. The key new features of the iOS 8 SDK and Xcode 6 are also covered, including Swift playgrounds, universal user interface design using size classes, app extensions, Interface Builder Live Views, embedded frameworks, CloudKit data storage and TouchID authentication. The aim of this book is to teach the range of skills necessary to build apps for iOS 8. *iOS 8 App Development Essentials* takes a

modular approach to the subject of iOS 8 application development for both the iPhone and iPad, with each chapter covering a self-contained topic area consisting of detailed explanations, examples and step-by-step tutorials. This makes the book both an easy to follow learning aid and an excellent reference resource.

Ruby on Rails Tutorial - Michael Hartl
2016-11-17

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, 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 Rails™ Tutorial, Fourth 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 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. 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, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud 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 images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku
The APDAlog - 1991

Configuration Management, Second Edition
- Jon M. Quigley 2019-07-11

The book provides a comprehensive approach to configuration management from a variety of product development perspectives, including embedded and IT. It provides authoritative advice on how to extend products for a variety of markets due to configuration options. The book also describes the importance of configuration management to other parts of the organization. It supplies an overview of configuration management and its process elements to provide readers with a contextual understanding of the theory, practice, and application of CM. The book illustrates the interplay of configuration and data management with all enterprise resources during each phase of a product lifecycle.

Partial Differential Equations - Walter A. Strauss 2007-12-21

Partial Differential Equations presents a balanced and comprehensive introduction to the concepts and techniques required to solve problems containing unknown functions of multiple variables. While focusing on the three most classical partial differential equations (PDEs)—the wave, heat, and Laplace equations—this detailed text also presents a broad practical perspective that merges mathematical concepts with real-world application in diverse areas including molecular structure, photon and electron interactions, radiation of electromagnetic waves, vibrations of a solid, and many more. Rigorous pedagogical

tools aid in student comprehension; advanced topics are introduced frequently, with minimal technical jargon, and a wealth of exercises reinforce vital skills and invite additional self-study. Topics are presented in a logical progression, with major concepts such as wave propagation, heat and diffusion, electrostatics, and quantum mechanics placed in contexts familiar to students of various fields in science and engineering. By understanding the properties and applications of PDEs, students will be equipped to better analyze and interpret central processes of the natural world.

Encyclopædia metropolitana; or, Universal dictionary of knowledge, ed. by E. Smedley, Hugh J. Rose and Henry J. Rose. [With] Plates - Encyclopaedia 1845

Building iPhone Apps with HTML, CSS, and JavaScript - Jonathan Stark 2010-01-08

What people are saying about Building iPhone Apps w/ HTML, CSS, and JavaScript "The future of mobile development is clearly web technologies like CSS, HTML and JavaScript. Jonathan Stark shows you how to leverage your existing web development skills to build native iPhone applications using these technologies." -- John Allsopp, author and founder of Web Directions "Jonathan's book is the most comprehensive documentation available for developing web applications for mobile Safari. Not just great tech coverage, this book is an easy read of purely fascinating mobile tidbits in a fun colloquial style. Must have for all PhoneGap developers." -- Brian LeRoux, Nitobi Software It's a fact: if you know HTML, CSS, and JavaScript, you already have the tools you need to develop your own iPhone apps. With this book, you'll learn how to use these open source web technologies to design and build apps for the iPhone and iPod Touch on the platform of your choice-without using Objective-C or Cocoa. Device-agnostic mobile apps are the wave of the future, and this book shows you how to create one product for several platforms. You'll find guidelines for converting your product into a native iPhone app using the free PhoneGap framework. And you'll learn why releasing your product as a web app first helps you find, fix, and test bugs much faster than if you went straight to the App Store with a product built

with Apple's tools. Build iPhone apps with tools you already know how to use Learn how to make an existing website look and behave like an iPhone app Add native-looking animations to your web app using jQuery Take advantage of client-side data storage with apps that run even when the iPhone is offline Hook into advanced iPhone features -- including the accelerometer, geolocation, and vibration -- with JavaScript Submit your applications to the App Store with Xcode This book received valuable community input through O'Reilly's Open Feedback Publishing System (OFPS).

Industrial Communication Technology Handbook, Second Edition - Richard Zurawski 2014-08-26

Featuring contributions from major technology vendors, industry consortia, and government and private research establishments, the Industrial Communication Technology Handbook, Second Edition provides comprehensive and authoritative coverage of wire- and wireless-based specialized communication networks used in plant and factory automation, automotive applications, avionics, building automation, energy and power systems, train applications, and more. New to the Second Edition: 46 brand-new chapters and 21 substantially revised chapters Inclusion of the latest, most significant developments in specialized communication technologies and systems Addition of new application domains for specialized networks The Industrial Communication Technology Handbook, Second Edition supplies readers with a thorough understanding of the application-specific requirements for communication services and their supporting technologies. It is useful to a broad spectrum of professionals involved in the conception, design, development, standardization, and use of specialized communication networks as well as academic institutions engaged in engineering education and vocational training.

Resources in Education - 1997

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.

Introduction to Probability - Charles Miller Grinstead 2012-10-30

This text is designed for an introductory probability course at the university level for sophomores, juniors, and seniors in mathematics, physical and social sciences, engineering, and computer science. It presents a thorough treatment of ideas and techniques necessary for a firm understanding of the subject.

App Development Recipes for iOS and watchOS - Molly K. Maskrey 2016-06-17

App Development Recipes for iOS and watchOS explores the technical side of app development with tips and tricks to avoid those little things that become big frustrations, outside of the realm of development, causing many people to throw up their hands and say "It's just not worth the hassle!" The experiential nature of this work

sets it apart from other iOS and watchOS books. Even if you are a developer who is completely new to Swift, iOS or watchOS, you'll find the right experienced-based answers to important questions like "Why do I need version control?", "Why is testing so important?" and more specific problems directly related to iOS and watchOS development with Swift. We discover and summarize the most common problems and derive the solutions; not just a short answer and screenshot, but a systematic, logical derivation, that is, how we got to the solution. After the introductory basics, each chapter delivers a problem statement and a solution. The experienced developer may, without losing anything, skip to whatever problem with which they are currently dealing. At the same time, we guide the less experienced developer through the process with focus on solving problems along the way. What you will learn: iOS career options for the new developer Working with Source Code and Version Control How to work with iOS accessory devices Understanding development methodologies such as Agile/Scrum User Experience Development and UI Tools Unit, UI, and Beta Testing Publishing your work Who this book is for: Developers who need to find specific solutions to common problems in developing apps for iOS and watchOS.

The Universal Jewish Encyclopedia ... - Isaac Landman 1942

Development and Application of Discontinuous Modelling for Rock Engineering - Ming Lu 2021-07-28

The thirty papers published in this book represent the latest developments in Discontinuous Deformation Analysis (DDA). The Numerical Manifold Method (NMM) and other numerical methods and their applications are also covered, as are the theoretical contributions of 3D DDA, modelling and visualization of 3D joint systems, and high-order NMM. Applications of these advances include the stability of underground works, rock slopes and boreholes.

IOS 8 App Development Essentials - Neil Smyth 2015-04-12

This is the Second Edition of iOS 8 App Development Essentials. This edition has been fully updated for Swift 1.2 and Xcode 6.3.

Beginning with the basics, this book provides an

outline of the steps necessary to set up an iOS development environment. An introduction to the architecture of iOS 8 and programming in Swift is provided, followed by an in-depth look at the design of iOS applications and user interfaces. More advanced topics such as file handling, database management, in-app purchases, graphics drawing and animation are also covered, as are touch screen handling, gesture recognition, multitasking, iAds integration, location management, local notifications, camera access and video and audio playback support. Other features are also covered including Auto Layout, Twitter and Facebook integration, App Store hosted in-app purchase content, collection views, Sprite Kit-based game development, local map search and user interface animation using UIKit dynamics. The key new features of the iOS 8 SDK and Xcode 6 are also covered, including Swift playgrounds, universal user interface design using size classes, app extensions, Interface Builder Live Views, embedded frameworks, CloudKit data storage and TouchID authentication. The aim of this book is to teach the range of skills necessary to build apps for iOS 8. iOS 8 App Development Essentials takes a modular approach to the subject of iOS 8 application development for both the iPhone and iPad, with each chapter covering a self contained topic area consisting of detailed explanations, examples and step-by-step tutorials. This makes the book both an easy to follow learning aid and an excellent reference resource.

Social Science Research - Anol Bhattacharjee
2012-04-01

This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a stand-alone text or as a supplement to research readings in any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages.

THE YOGA THERAPY HANDBOOK - BOOK

FOUR - REVISED SECOND EDITION -

ROGER MARTIN DAVIS 2015-03-27

The long awaited revised 2nd edition of The Yoga Therapy Handbook has arrived! It is greatly expanded, colorful and much more descriptive than the original edition from 2007. The new version is contained in four distinct volumes (Book 1-4) that are being sold separately with an "a-la-cart" styling so readers can "pick and choose" from what works best for them as either a novice/beginner or advanced Yoga therapist. Perhaps, what is most intriguing, though, about this 2nd edition is that in the interim period the author made a dramatic and controversial decision to embrace Al-Islam. Accordingly, this edition wrestles with those quintessential elements that make a "comparative religion" flow to this text quite different than any other Yoga therapy book on the market today. The author also revives his review of the multicultural expressions as well in both Yoga Science and meditation practices. The creative artistic flair of the illustrator (Sue Jeong Ka) is still woven into the fabric of this text. This Fine Artist who is originally from South Korea (ROK) now lives and works in the USA (New York City. Surely, her talents have expanded since the first edition and we hope with the "print edition" to follow she add some new illustrations to enliven this text.

Introduction to Petroleum Seismology, second edition - Luc T. Ikelle 2018-03-26

Introduction to Petroleum Seismology, second edition (SEG Investigations in Geophysics Series No. 12) provides the theoretical and practical foundation for tackling present and future challenges of petroleum seismology especially those related to seismic survey designs, seismic data acquisition, seismic and EM modeling, seismic imaging, microseismicity, and reservoir characterization and monitoring. All of the chapters from the first edition have been improved and/or expanded. In addition, twelve new chapters have been added. These new chapters expand topics which were only alluded to in the first edition: sparsity representation, sparsity and nonlinear optimization, near-simultaneous multiple-shooting acquisition and processing, nonuniform wavefield sampling, automated modeling, elastic-electromagnetic mathematical equivalences, and microseismicity

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in the context of hydraulic fracturing. Another major modification in this edition is that each chapter contains analytical problems as well as computational problems. These problems include MatLab codes, which may help readers improve their understanding of and intuition about these materials. The comprehensiveness of this book makes it a suitable text for undergraduate and graduate courses that target geophysicists and engineers as well as a guide and reference work for researchers and professionals in academia and in the petroleum industry.

Omega Universal Guide to Data Acquisition and Computer Interfaces - Omega Engineering, Inc 1996

[Creating Mobile Apps with Xamarin.Forms Preview Edition 2](#) - Charles Petzold 2015-04-11
This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development

platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014.

Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms.

An Elementary Introduction to the Wolfram Language - Stephen Wolfram 2017

The Wolfram Language represents a major advance in programming languages that makes leading-edge computation accessible to everyone. Unique in its approach of building in vast knowledge and automation, the Wolfram Language scales from a single line of easy-to-understand interactive code to million-line production systems. This book provides an elementary introduction to the Wolfram Language and modern computational thinking. It assumes no prior knowledge of programming, and is suitable for both technical and non-technical college and high-school students, as well as anyone with an interest in the latest technology and its practical application.