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Advances in Intelligent Systems for Defence - L. C. Jain 2002

Modern defence forces rely mainly on intelligent information systems and high technology armour. This volume reflects the latest trends in military information systems research by bringing together international contributions that span from communications technology, through intelligent agents and large-scale modeling and simulation, to sociotechnical systems. Together, the articles represent a good cross section of contemporary information systems research. The book also shows the wealth of research on advanced information systems and on technologies developed for defence purposes. Some of the chapters may serve as a component of advanced defence training programs. They provide an important overview of crucial research, which has evolved over the last ten years.

Women in True Crime Media - Jen Erdman 2022-10-28

While many people think true crime is a new phenomenon, Americans have been obsessed with the genre for over a century, and popular culture continuously tries to cash in. The names of infamous serial killers are well-known, but the identities of their often-female victims are frequently lost to history. This text flips the script and focuses on the women to keep their identities known and remembered. This is the first book to examine how popular culture has mistreated women as both perpetrators and victims of crime, covering a hundred-year span from 1920 to 2020. Detailed is popular culture's interest in true crime and how women in true crime documentation have largely been sexualized and victim-blamed over the decades.

Hadoop: The Definitive Guide - Tom White 2012-05-10

Ready to unlock the power of your data? With this comprehensive guide, you'll learn how to build and maintain reliable, scalable, distributed systems with Apache Hadoop. This book is ideal for programmers looking to analyze datasets of any size, and for administrators who want to set up and run Hadoop clusters. You'll find illuminating case studies that demonstrate how Hadoop is used to solve specific problems. This third edition covers recent changes to Hadoop, including material on the new MapReduce API, as well as MapReduce 2 and its more flexible execution model (YARN). Store large datasets with the Hadoop Distributed File System (HDFS) Run distributed computations with MapReduce Use Hadoop's data and I/O building blocks for compression, data integrity, serialization (including Avro), and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster—or run Hadoop in the cloud Load data from relational databases into HDFS, using Sqoop Perform large-scale data processing with the Pig query language Analyze datasets with Hive, Hadoop's data warehousing system Take advantage of HBase for structured and semi-structured data, and ZooKeeper for building

distributed systems

Cisco ASA, PIX, and FWSM Firewall Handbook - David Hucaby 2007-08-09

Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, is a guide for the most commonly implemented features of the popular Cisco® firewall security solutions. Fully updated to cover the latest firewall releases, this book helps you to quickly and easily configure, integrate, and manage the entire suite of Cisco firewall products, including ASA, PIX®, and the Catalyst® Firewall Services Module (FWSM). Organized by families of features, this book helps you get up to speed quickly and efficiently on topics such as file management, building connectivity, controlling access, firewall management, increasing availability with failover, load balancing, logging, and verifying operation. Sections are marked by shaded tabs for quick reference, and information on each feature is presented in a concise format, with background, configuration, and example components. Whether you are looking for an introduction to the latest ASA, PIX, and FWSM devices or a complete reference for making the most out of your Cisco firewall deployments, Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, helps you achieve maximum protection of your network resources. “Many books on network security and firewalls settle for a discussion focused primarily on concepts and theory. This book, however, goes well beyond these topics. It covers in tremendous detail the information every network and security administrator needs to know when configuring and managing market-leading firewall products from Cisco.” —Jason Nolet, Vice President of Engineering, Security Technology Group, Cisco David Hucaby, CCIE® No. 4594, is a lead network engineer for the University of Kentucky, where he works with health-care networks based on the Cisco Catalyst, ASA, FWSM, and VPN product lines. He was one of the beta reviewers of the ASA 8.0 operating system software. Learn about the various firewall models, user interfaces, feature sets, and configuration methods Understand how a Cisco firewall inspects traffic Configure firewall interfaces, routing, IP addressing services, and IP multicast support Maintain security contexts and flash and configuration files, manage users, and monitor firewalls with SNMP Authenticate, authorize, and maintain accounting records for firewall users Control access through the firewall by implementing transparent and routed firewall modes, address translation, and traffic shunning Define security policies that identify and act on various types of traffic with the Modular Policy Framework Increase firewall availability with firewall failover operation Understand how firewall load balancing works Generate firewall activity logs and learn how to analyze the contents of the log Verify firewall operation and connectivity and observe data passing through a firewall Configure Security Services Modules, such as the Content Security Control (CSC) module and the Advanced Inspection Processor (AIP) module This security book is part of the Cisco Press® Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end self-defending networks. Category: Networking: Security Covers: Cisco ASA 8.0, PIX 6.3, and FWSM 3.2 version firewalls

Emerging Wireless Multimedia - Apostolis Salkintzis 2005-10-31

The provision of IP-based multimedia services is one of the most exiting and challenging aspects of next generation wireless networks. A significant evolution has been underway for enabling such multimedia services and for ultimately migrating the Internet to the wireless world. This book examines this evolution, looking at an array of the most up-to-date wireless multimedia technologies and services. The first part focuses on enabling technologies for wireless multimedia, while the second is dedicated to the new wireless multimedia services that are expected to play a key role in the future wireless environment. In addition, the related recent standardization, research and industry activities are addressed. * Covers a complete

range of multimedia hot topics, ranging from audio/video coding techniques to multimedia protocols and applications * Discusses QoS issues in WLANs, 3G and hybrid 3G/WLAN networks * Provides in-depth discussion of the most modern multimedia services, such as Push-to-Talk, Instant Messaging, Presence, mobile payments, MMS, WAP, and location-based multimedia services * Addresses the emerging Multimedia Broadcast/Multicast Service (MBMS) and the key aspects of IP Multimedia Subsystem (IMS) in 3G networks * Numerous on-line references will assist readers in their quest for the most up-to-date information This comprehensive resource will have instant appeal to students in electrical and computer engineering or IT disciplines. It is also essential reading for engineering managers, engineers in wireless systems and multimedia, and wireless multimedia researchers.

Android Tips and Tricks - Guy Hart-Davis 2014-12-11

Discover hundreds of tips and tricks you can use right away with your Android device to get more done, and have more fun. Easy to understand and non-technical, *Android Tips and Tricks* is perfect for beginners—and for more experienced users ready to get more productive or move to newer devices. You'll learn how to use your Android smartphone or tablet as a powerful communication, organization, and productivity tool as well as a feature-packed entertainment device. You will dig deep into the settings and capabilities of both Android itself and the preinstalled apps, developing the knowledge and skills to exploit them to the fullest.

IT Convergence and Security 2012 - Kuinam J. Kim 2012-12-12

The proceedings approaches the subject matter with problems in technical convergence and convergences of security technology. This approach is new because we look at new issues that arise from techniques converging. The general scope of the proceedings content is convergence security and the latest information technology. The intended readership are societies, enterprises, and research institutes, and intended content level is mid- to highly educated personals. The most important features and benefits of the proceedings are the introduction of the most recent information technology and its related ideas, applications and problems related to technology convergence, and its case studies and finally an introduction of converging existing security techniques through convergence security. Overall, through the proceedings, authors will be able to understand the most state of the art information strategies and technologies of convergence security.

Unplugging Popular Culture - K. Shannon Howard 2018-12-07

Unplugging Popular Culture showcases youth and young adult characters from film and television who defy the stereotype of the "digital native" who acts as an unquestioning devotee to screened technologies like the smartphone. In this study, unplugged tools, or non-digital tools, do not necessitate a ban on technology or a refusal to acknowledge its affordances but work instead to highlight the ability of fictional characters to move from high tech settings to low tech ones. By repurposing everyday materials, characters model the process of reusing and upcycling existing materials in innovative ways. In studying examples such as *Pitch Perfect*, *Supernatural*, *Stranger Things*, and *Get Out*, the book aims to make theories surrounding materiality apparent within popular culture and to help today's readers reconsider stereotypes of the young people they encounter on a daily basis.

2021 6th International Conference on Intelligent Transportation Engineering (ICITE 2021) - Zhenyuan Zhang 2022-05-31

This book features high-quality, peer-reviewed papers from the 2021 6th International Conference on Intelligent Transportation Engineering (ICITE 2021), held in Beijing, China, on October 29–31, 2021. Presenting the latest developments and technical solutions in Intelligent Transportation engineering, it covers a variety of topics, such as intelligent transportation, traffic control, road networking, intelligent automobile and vehicle operation & management.

The book will be a valuable reference for graduate and postgraduate audiences, researchers and engineers, working in Intelligent Transportation Engineering.

"Whole House" Performance Criteria Framework and Its Application - Lori Swarup
2005

Compositional Analysis of Probabilistic Timed Graph Transformation Systems - Maria Maximova
2022-05-19

The analysis of behavioral models is of high importance for cyber-physical systems, as the systems often encompass complex behavior based on e.g. concurrent components with mutual exclusion or probabilistic failures on demand. The rule-based formalism of probabilistic timed graph transformation systems is a suitable choice when the models representing states of the system can be understood as graphs and timed and probabilistic behavior is important. However, model checking PTGTSs is limited to systems with rather small state spaces. We present an approach for the analysis of large scale systems modeled as probabilistic timed graph transformation systems by systematically decomposing their state spaces into manageable fragments. To obtain qualitative and quantitative analysis results for a large scale system, we verify that results obtained for its fragments serve as overapproximations for the corresponding results of the large scale system. Hence, our approach allows for the detection of violations of qualitative and quantitative safety properties for the large scale system under analysis. We consider a running example in which we model shuttles driving on tracks of a large scale topology and for which we verify that shuttles never collide and are unlikely to execute emergency brakes. In our evaluation, we apply an implementation of our approach to the running example.

Handbook of Graphs and Networks in People Analytics - Keith McNulty 2022-06-19

Handbook of Graphs and Networks in People Analytics: With Examples in R and Python covers the theory and practical implementation of graph methods in R and Python for the analysis of people and organizational networks. Starting with an overview of the origins of graph theory and its current applications in the social sciences, the book proceeds to give in-depth technical instruction on how to construct and store graphs from data, how to visualize those graphs compellingly and how to convert common data structures into graph-friendly form. The book explores critical elements of network analysis in detail, including the measurement of distance and centrality, the detection of communities and cliques, and the analysis of assortativity and similarity. An extension chapter offers an introduction to graph database technologies. Real data sets from various research contexts are used for both instruction and for end of chapter practice exercises and a final chapter contains data sets and exercises ideal for larger personal or group projects of varying difficulty level. Key features: Immediately implementable code, with extensive and varied illustrations of graph variants and layouts. Examples and exercises across a variety of real-life contexts including business, politics, education, social media and crime investigation. Dedicated chapter on graph visualization methods. Practical walkthroughs of common methodological uses: finding influential actors in groups, discovering hidden community structures, facilitating diverse interaction in organizations, detecting political alignment, determining what influences connection and attachment. Various downloadable data sets for use both in class and individual learning projects. Final chapter dedicated to individual or group project examples.

Designing Geodatabases for Transportation - J. Allison Butler 2008

Designing Geodatabases for Transportation addresses the development of a GIS to manage data relating to the transportation facilities and service commonly organized around various modes of travel for accurate and reliable data exchange. Transportation involves several

modes of travel, and although the details of each mode can be quite different, this book demonstrates how all follow a basic conceptual structure. That structure consists of an origin, a destination, a path between the two, and a conveyance that provides the ability to move along the path to establish a common data structure.

Beginning Linux Programming - Neil Matthew 2011-04-22

Beginning Linux Programming, Fourth Edition continues its unique approach to teaching UNIX programming in a simple and structured way on the Linux platform. Through the use of detailed and realistic examples, students learn by doing, and are able to move from being a Linux beginner to creating custom applications in Linux. The book introduces fundamental concepts beginning with the basics of writing Unix programs in C, and including material on basic system calls, file I/O, interprocess communication (for getting programs to work together), and shell programming. Parallel to this, the book introduces the toolkits and libraries for working with user interfaces, from simpler terminal mode applications to X and GTK+ for graphical user interfaces. Advanced topics are covered in detail such as processes, pipes, semaphores, socket programming, using MySQL, writing applications for the GNOME or the KDE desktop, writing device drivers, POSIX Threads, and kernel programming for the latest Linux Kernel.

iPod and iTunes Hacks - Hadley Stern 2004-10-13

Some people are content to use their iPod simply to play music. Some people want to do much more. Those people, and you know who you are, aren't satisfied until they get under the hood and tap every iPod trick available to them. They want to explore and experiment, create shortcuts, and unearth cool and unexpected things to do with their iPod that have never even occurred to their friends. Maybe they want to use their iPod to read email. Maybe they want to use it as a voice recorder, or a device to store their digital photos. Maybe they want to use iTunes visuals as a screensaver, use Java to expand iTunes functionally, or use a cheap Linux box as a server and access MP3 tunes. Or, maybe they just want to paint their iPod a custom color. For those people who want to get more much more out of their iPod iPod and iTunes Hacks is brimming with undocumented tips, tricks, and trade secrets for getting the very most from your iPod. This guide takes curious and clever iPod owners beyond the obvious with 100 ingenious hacks that will delight, entertain, and add astonishing power to the iPod and iTunes experience.

Intelligent Distributed Video Surveillance Systems - Institution of Electrical Engineers 2006-02-14

There is a growing interest in the development and deployment of intelligent surveillance systems in public and private locations. This book consists of a selection of extended versions of presentations made in two symposia on intelligent distributed surveillance systems (IDSS) and brings together the latest developments in the field.

The Software Life Cycle - Darrel Ince 2014-05-20

The Software Life Cycle deals with the software lifecycle, that is, what exactly happens when software is developed. Topics covered include aspects of software engineering, structured techniques of software development, and software project management. The use of mathematics to design and develop computer systems is also discussed. This book is comprised of 20 chapters divided into four sections and begins with an overview of software engineering and software development, paying particular attention to the birth of software engineering and the introduction of formal methods of software development. The next section explores some aspects of software engineering that tend to get ignored in the literature, including functional programming, functional-programming languages, and relational databases. The reader is then introduced to structured methods of software development,

along with software project management. The final chapter is devoted to software testing, which can be functional or nonfunctional. This monograph will be useful to software engineers and designers.

Autodesk 3ds Max 2021 Max Script-Part-4 - Serdar Hakan DÜZGÖREN

Atmospheric : MAXWrapper The Atmospheric class lets you set up volumetric rendering effects with MAXScript. You can create atmospherics like fire and fog, access various properties on them and maintain their list of gizmo nodes such as lights and atmospheric helpers. The classes derived directly from the Atmospheric class are described in Atmospheric Effect Types. The properties, operators, and methods that are common to all classes derived directly from the Atmospheric class are described in Atmospheric Effects Common Properties, Operators, and Methods. The Atmospheric class is derived from the MAXWrapper class, and inherits the properties and methods defined for that class. These properties and methods are described in MAXWrapper Common Properties, Operators, and Methods. The topic Working with Atmospherics contains an example of adding Atmospheric Effects to the environment.

Official Gazette of the United States Patent and Trademark Office - United States. Patent and Trademark Office 1997

Essential SQLAlchemy - Jason Myers 2015-11-27

Dive into SQLAlchemy, the popular, open-source code library that helps Python programmers work with relational databases such as Oracle, MySQL, PostgreSQL, and SQLite. Using real-world examples, this practical guide shows you how to build a simple database application with SQLAlchemy, and how to connect to multiple databases simultaneously with the same metadata. SQL is a powerful language for querying and manipulating data, but it's tough to integrate it with your application. SQLAlchemy helps you map Python objects to database tables without substantially changing your existing Python code. If you're an intermediate Python developer with knowledge of basic SQL syntax and relational theory, this book serves as both a learning tool and a handy reference. Essential SQLAlchemy includes several sections: SQLAlchemy Core: Provide database services to your applications in a Pythonic way with the SQL Expression Language SQLAlchemy ORM: Use the object relational mapper to bind database schema and operations to data objects in your application Alembic: Use this lightweight database migration tool to handle changes to the database as your application evolves Cookbook: Learn how to use SQLAlchemy with web frameworks like Flask and libraries like SQLAlchemycodegen

Proceedings of the 4th International Workshop on Parallel and Distributed Real-Time Systems, April 15-16, 1996, Honolulu, Hawaii - 1996

The 48 refereed, original, unpublished papers describe research pertaining to real-time experimental and commercial systems that are parallel and/or distributed, their scientific and commercial applications, and theoretical foundations. The keynote speech is on Ada 95 for real-time, distribution, an

SQL Server MVP Deep Dives - Paul S. Randal 2009-10-31

This is not an ordinary SQL Server Book. SQL Server MVP Deep Dives brings together the world's most highly-regarded SQL Server experts to create a masterful collection of tips, techniques, and experience-driven best practices for SQL Server development and administration. These SQL Server MVPs-53 in all-each selected a topic of great interest to them, and in this unique book, they share their knowledge and passion with you. SQL Server MVP Deep Dives is organized into five parts: Design and Architecture, Development, Administration, Performance Tuning and Optimization, and Business Intelligence. Within each part, you'll find a collection of brilliantly concise and focused chapters that take on key topics

like mobile data strategies, Dynamic Management Views, or query performance. The range of subjects covered is comprehensive, from database design tips to data profiling strategies for BI. Additionally, the authors of this book have generously donated 100% of their royalties to support War Child International. War Child International is a network of independent organizations, working across the world to help children affected by war. War Child was founded upon a fundamental goal: to advance the cause of peace through investing hope in the lives of children caught up in the horrors of war. War Child works in many different conflict areas around the world, helping hundreds of thousands of children every year. Visit www.warchild.org for more information. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Programming Entity Framework - Julia Lerman 2010-08-09

Get a thorough introduction to ADO.NET Entity Framework 4 -- Microsoft's core framework for modeling and interacting with data in .NET applications. The second edition of this acclaimed guide provides a hands-on tour of the framework latest version in Visual Studio 2010 and .NET Framework 4. Not only will you learn how to use EF4 in a variety of applications, you'll also gain a deep understanding of its architecture and APIs. Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier version. Understand the core concepts you need to make the best use of the EF4 in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, ASP.NET Web Forms, and ASP.NET MVC applications Build and consume WCF Services, WCF Data Services, and WCF RIA Services Use Object Services to work directly with your entity objects Create persistent ignorant entities, repositories, and write unit tests Delve into model customization, relationship management, change tracking, data concurrency, and more Get scores of reusable examples -- written in C# (with notes on Visual Basic syntax) -- that you can implement right away

Mastering ABP Framework - Halil Ibrahim Kalkan 2022-02-28

Learn how to build modern web applications from the creator of ABP Framework Key Features Build robust, maintainable, modular, and scalable software solutions using ABP Framework Learn how to implement SOLID principles and domain-driven design in your web applications Discover how ABP Framework speeds up your development cycle by automating repetitive tasks Book Description ABP Framework is a complete infrastructure for creating modern web applications by following software development best practices and conventions. With ABP's high-level framework and ecosystem, you can implement the Don't Repeat Yourself (DRY) principle and focus on your business code. Written by the creator of ABP Framework, this book will help you to gain a complete understanding of the framework and modern web application development techniques. With step-by-step explanations of essential concepts and practical examples, you'll understand the requirements of a modern web solution and how ABP Framework makes it enjoyable to develop your own solutions. You'll discover the common requirements of enterprise web application development and explore the infrastructure provided by ABP. Throughout the book, you'll get to grips with software development best practices for building maintainable and modular web solutions. By the end of this book, you'll be able to create a complete web solution that is easy to develop, maintain, and test. What you will learn Set up the development environment and get started with ABP Framework Work with Entity Framework Core and MongoDB to develop your data access layer Understand cross-cutting concerns and how ABP automates repetitive tasks Get to grips with implementing domain-driven design with ABP Framework Build UI pages and components with ASP.NET Core

MVC (Razor Pages) and BlazorWork with multi-tenancy to create modular web applications Understand modularity and create reusable application modules Write unit, integration, and UI tests using ABP Framework Who this book is for This book is for web developers who want to learn software architectures and best practices for building maintainable web-based solutions using Microsoft technologies and ABP Framework. Basic knowledge of C# and ASP.NET Core is necessary to get started with this book.

SQL QuickStart Guide - Walter Shields 2019-11-18

"THE BEST SQL BOOK FOR BEGINNERS IN 2020 - HANDS DOWN!" *INCLUDES FREE ACCESS TO A SAMPLE DATABASE, SQL BROWSER APP, COMPREHENSION QUIZES & SEVERAL OTHER DIGITAL RESOURCES!* *| #1 NEW RELEASE & #1 BEST SELLER |* Not sure how to prepare for the data-driven future? This book shows you EXACTLY what you need to know to successfully use the SQL programming language to enhance your career! Are you a developer who wants to expand your mastery to database management? Then you NEED this book. Buy now and start reading today! Are you a project manager who needs to better understand your development team's needs? A decision maker who needs to make deeper data-driven analysis? Everything you need to know is included in these pages! The ubiquity of big data means that now more than ever there is a burning need to warehouse, access, and understand the contents of massive databases quickly and efficiently. That's where SQL comes in. SQL is the workhorse programming language that forms the backbone of modern data management and interpretation. Any database management professional will tell you that despite trendy data management languages that come and go, SQL remains the most widely used and most reliable to date, with no signs of stopping. In this comprehensive guide, experienced mentor and SQL expert Walter Shields draws on his considerable knowledge to make the topic of relational database management accessible, easy to understand, and highly actionable. SQL QuickStart Guide is ideal for those seeking to increase their job prospects and enhance their careers, for developers looking to expand their programming capabilities, or for anyone who wants to take advantage of our inevitably data-driven future—even with no prior coding experience! SQL QuickStart Guide Is For: - Professionals looking to augment their job skills in preparation for a data-driven future - Job seekers who want to pad their skills and resume for a durable employability edge - Beginners with zero prior experience Managers, decision makers, and business owners looking to manage data-driven business insights - Developers looking to expand their mastery beyond the full stack Anyone who wants to be better prepared for our data-driven future! In SQL QuickStart Guide You'll Discover: - The basic structure of databases—what they are, how they work, and how to successfully navigate them - How to use SQL to retrieve and understand data no matter the scale of a database (aided by numerous images and examples) - The most important SQL queries, along with how and when to use them for best effect - Professional applications of SQL and how to “sell” your new SQL skills to your employer, along with other career-enhancing considerations *LIFETIME ACCESS TO FREE RESOURCES & BUSINESS SUPPORT* Each book comes with free lifetime access to tons of exclusive online resources to help you become a better business owner such as workbooks, cheat sheets and reference guides. You also receive lifetime access to our online coaching community to help you achieve all of your financial goals! *GIVING BACK* ClydeBank Media proudly supports the non-profit AdoptAClassroom whose mission is to advance equity in K-12 education by supplementing dwindling school funding for vital classroom materials and resources.*

The MXF Book - Nick Wells 2006

First Published in 2006. Routledge is an imprint of Taylor & Francis, an informa company.

Intelligent System Design - Vikrant Bhateja 2022-10-27

This book presents a collection of high-quality, peer-reviewed research papers from the 7th International Conference on Information System Design and Intelligent Applications (India 2022), held at BVRIT Hyderabad College of Engineering for Women, Hyderabad, Telangana, India, from February 25 to 26, 2022. It covers a wide range of topics in computer science and information technology, including data mining and data warehousing, high-performance computing, parallel and distributed computing, computational intelligence, soft computing, big data, cloud computing, grid computing and cognitive computing.

Prediction and Recognition of Piracy Efforts Using Collaborative Human-Centric Information Systems - E. Bossé 2013-03-21

Maritime piracy is the cause of widespread international concern, and the number of pirate attacks has increased substantially in recent years. Many commercial vessels are inherently vulnerable to attack because of their size and relative slowness, and technological improvements have resulted in smaller crews on large vessels, whilst the absence of enforcement agencies in international waters has served only to make pirates more daring. Collaborative human-centric information support systems can significantly improve the ability of every nation to predict and prevent pirate attacks, or to recognize the nature and size of an attack rapidly when prevention fails, and improve the collective response to an emergency. This book presents the papers delivered at the NATO Advanced Study Institute (ASI) Prediction and Recognition of Piracy Efforts Using Collaborative Human-Centric Information Systems, held in Salamanca, Spain, in September 2011. A significant observation from previous NATO Advanced Study Institutes and Workshops was that domain experts responsible for maritime security were not fully aware of the wide variety of technological solutions available to enhance their support systems, and that although technology experts have a general understanding of the requirements in security systems, they often lacked knowledge concerning the operational constraints affecting those who implement security procedures. This ASI involved both technology and domain experts, as well as students from related fields of study. It offered an opportunity for them to discuss the issues surrounding the prediction, recognition and deterrence of maritime piracy, and will be of interest to all those whose work is related to this internationally important issue.

NativeScript for Angular Mobile Development - Nathan Walker 2017-08-30

Learn NativeScript to build native mobile applications with Angular, TypeScript, JavaScript
About This Book Power packed hands-on guide to help you become pro-efficient with NativeScript
Harness the power of your web development skills with JavaScript and Angular to build cross-platform mobile apps
Create highly maintainable and feature-rich apps with TypeScript and NativeScript APIs
Who This Book Is For This book assumes you have a general understanding of TypeScript, have heard of NativeScript and know what it's about, and are familiar with Angular (2.0). You don't need to be an expert in any of these technologies, but having some sense of them before reading is recommended this book, which is ideal for intermediate to advanced users.
What You Will Learn
Bootstrap a NativeScript for Angular app
Best practices for project organization
Style your app with CSS/SASS
Use Angular together with NativeScript to create cross-platform mobile apps
Take advantage of powerful Angular features, such as Dependency Injection, Components, Directives, Pipes, and NgModules right within your NativeScript apps
Gain insight into great project organization and best practices
Use Objective C/Swift and Java APIs directly from TypeScript
Use rich framework features and third-party plugins
Style your app with CSS/SASS
Integrate @ngrx/store + @ngrx/effects to help with state management
Test your app with Karma and Appium
In Detail NativeScript is an open source framework that is built by Progress in order to build truly native mobile apps with TypeScript, JavaScript or just Angular which is an open source framework built by Google that

offers declarative templates, dependency injection, and fully featured modules to build rich applications. Angular's versatile view handling architecture allows your views to be rendered as highly performant UI components native to iOS and Android mobile platforms. This decoupling of the view rendering layer in Angular combined with the power of native APIs with NativeScript have together created the powerful and exciting technology stack of NativeScript for Angular. This book focuses on the key concepts that you will need to know to build a NativeScript for Angular mobile app for iOS and Android. We'll build a fun multitrack recording studio app, touching on powerful key concepts from both technologies that you may need to know when you start building an app of your own. The structure of the book takes the reader from a void to a deployed app on both the App Store and Google Play, serving as a reference guide and valuable tips/tricks handbook. By the end of this book, you'll know majority of key concepts needed to build a successful NativeScript for Angular app.

Design Solutions for User-Centric Information Systems - Saeed, Saqib 2016-12-21

Continuous improvements in technological applications have allowed more opportunities to develop systems with user-focused designs. This not only leads to higher success in day-to-day usage, but it increases the overall probability of technology adoption. *Design Solutions for User-Centric Information Systems* provides a comprehensive examination of the latest strategies and methods for creating technological systems with end users as the focal point of the design process. Highlighting innovative practices and applications across a variety of areas, such as cloud-based computing services, e-government adoption, and logistics evaluation, this book is an ideal reference source for computer engineers, practitioners, project managers, graduate students, and researchers interested in the enhancement of user-centric information system development.

Practical Data Science with Python - Nathan George 2021-09-30

Learn to effectively manage data and execute data science projects from start to finish using Python Key Features Understand and utilize data science tools in Python, such as specialized machine learning algorithms and statistical modeling Build a strong data science foundation with the best data science tools available in Python Add value to yourself, your organization, and society by extracting actionable insights from raw data Book Description *Practical Data Science with Python* teaches you core data science concepts, with real-world and realistic examples, and strengthens your grip on the basic as well as advanced principles of data preparation and storage, statistics, probability theory, machine learning, and Python programming, helping you build a solid foundation to gain proficiency in data science. The book starts with an overview of basic Python skills and then introduces foundational data science techniques, followed by a thorough explanation of the Python code needed to execute the techniques. You'll understand the code by working through the examples. The code has been broken down into small chunks (a few lines or a function at a time) to enable thorough discussion. As you progress, you will learn how to perform data analysis while exploring the functionalities of key data science Python packages, including pandas, SciPy, and scikit-learn. Finally, the book covers ethics and privacy concerns in data science and suggests resources for improving data science skills, as well as ways to stay up to date on new data science developments. By the end of the book, you should be able to comfortably use Python for basic data science projects and should have the skills to execute the data science process on any data source. What you will learn Use Python data science packages effectively Clean and prepare data for data science work, including feature engineering and feature selection Data modeling, including classic statistical models (such as t-tests), and essential machine learning algorithms, such as random forests and boosted models Evaluate model performance Compare and understand different machine learning methods Interact with Excel spreadsheets through

PythonCreate automated data science reports through PythonGet to grips with text analytics techniquesWho this book is for The book is intended for beginners, including students starting or about to start a data science, analytics, or related program (e.g. Bachelor's, Master's, bootcamp, online courses), recent college graduates who want to learn new skills to set them apart in the job market, professionals who want to learn hands-on data science techniques in Python, and those who want to shift their career to data science. The book requires basic familiarity with Python. A "getting started with Python" section has been included to get complete novices up to speed.

Transmediating the Whedonverse(s) - Juliette C. Kitchens 2019-10-29

This book explores the transmedial nature of the storyworlds created by and/or affiliated with television auteur, writer, and filmmaker, Joss Whedon. As such, the book addresses the ways in which Whedon's storyworlds, or 'verses, employ transmedia, both intrinsically as texts and extrinsically as these texts are consumed and, in some cases, reworked, by audiences. This collection walks readers through fan and scholar-fan engagement, intrinsic textual transmediality, and Whedon's lasting influence on televisual and transmedia texts. In closing, the editors argue for the need to continue research into how the Whedonverse(s) lend themselves to transmedial study, engage audiences in ways that take advantage of multiple media, and encourage textual internalization of these engagements within audiences.

The MXF Book - Nick Wells 2013-06-26

Written by a top team of industry professionals, this must-have guide will introduce you to everything you'll need to know about MXF. The MXF Book introduces and explains the MXF standard and helps engineers write MXF applications. The book also explains the reasons behind many details of the specification documents.

The Book of Visual Basic 2005 - Matthew MacDonald 2006

From the author of the highly acclaimed Book of VB .NET comes this comprehensive introduction to Visual Basic 2005, the newest version of Microsoft's popular programming language. If you're a developer who is new to the language, you will learn to use VB 2005 effectively. If you're from the old school of VB but haven't yet made the jump to .NET, you will be able to make the transition seamlessly. And you won't have to wade through boring, unnecessary material before you get there. This guide covers all the necessities, ditching jargon and getting right to the substance of how to: * Implement object-oriented programming with classes, interfaces, and inheritance * Design well-behaved multithreaded applications * Work with XML, file streams, and ADO.NET, the .NET toolkit for relational databases * Build code-driven web pages and rich Windows applications * Deploy your applications with snazzy setup programs Conversational in tone and eminently readable, this book tackles VB 2005's hot new features and explains how to work with .NET, but it doesn't water the information down for beginners. After a brief overview of changes from VB 6, you'll get real-world examples in each chapter that will get you up to speed and ready to perform in the VB 2005 environment. Helpful code examples, references to additional online material, and tips on planning, design, and architecture round out The Book of Visual Basic 2005. Professional developers who need to master VB 2005 will want this book by their side.

HTML5 Games Most Wanted - Egor Kuryanovich 2012-06-09

HTML5 Games Most Wanted gathers the top HTML5 games developers and reveals the passion they all share for creating and coding great games. You'll learn programming tips, tricks, and optimization techniques alongside real-world code examples that you can use in your own projects. You won't just make games—you'll make great games. The book is packed full of JavaScript, HTML5, WebGL, and CSS3 code, showing you how these fantastic games were built and passing on the skills you'll need to create your own great games. Whether you're a coding

expert looking for secrets to push your games further, or a beginner looking for inspiration and a solid game to build on and experiment with, HTML5 Games Most Wanted is for you. Topics and games covered include building complexity from simplicity in A to B, how to create, save, and load game levels in Marble Run, creating fast 3D action games like Cycleblob, and tips on combining the entangled web of HTML5 technologies brilliantly shown in Far7.

Data Fusion for Situation Monitoring, Incident Detection, Alert and Response Management - E. Shahbazian 2006-03-02

Data Fusion is a very broad interdisciplinary technology domain. It provides techniques and methods for; integrating information from multiple sources and using the complementarities of these detections to derive maximum information about the phenomenon being observed; analyzing and deriving the meaning of these observations and predicting possible consequences of the observed state of the environment; selecting the best course of action; and controlling the actions. Here, the focus is on the more mature phase of data fusion, namely the detection and identification / classification of phenomena being observed and exploitation of the related methods for Security-Related Civil Science and Technology (SST) applications. It is necessary to; expand on the data fusion methodology pertinent to Situation Monitoring, Incident Detection, Alert and Response Management; discuss some related Cognitive Engineering and visualization issues; provide an insight into the architectures and methodologies for building a data fusion system; discuss fusion approaches to image exploitation with emphasis on security applications; discuss novel distributed tracking approaches as a necessary step of situation monitoring and incident detection; and provide examples of real situations, in which data fusion can enhance incident detection, prevention and response capability. In order to give a logical presentation of the data fusion material, first the general concepts are highlighted (Fusion Methodology, Human Computer Interactions and Systems and Architectures), closing with several applications (Data Fusion for Imagery, Tracking and Sensor Fusion and Applications and Opportunities for Fusion).

Learning AV Foundation - Bob McCune 2014-10-24

AV Foundation for iOS and OS X® Programming—Get Started Fast! If you develop media-rich iOS or OS X apps, you can do amazing things with Apple’s AV Foundation. However, the framework is extremely large, reliant on cutting-edge language features, and poorly documented. Now, there’s a more productive way to master these immensely powerful technologies: Bob McCune’s Learning AV Foundation. McCune’s live presentations and GitHub projects have already helped thousands of Apple developers get started with AV Foundation. Building on his experience, McCune helps you gain true mastery by creating real-world apps, hands-on. You’ll build a voice memo app, custom video player, video editor, and an image/video camera app. As you proceed, you’ll master all the techniques you need to write your own advanced media apps from scratch. Throughout, McCune provides carefully crafted challenges and complete starter apps—all designed to help you deepen your understanding and make the most of Apple’s breakthrough media framework. **COVERAGE INCLUDES** Understanding how AV Foundation fits in Apple’s media environment and each of its key areas of functionality Enabling your apps with audio playback and recording features Enhancing video playback to deliver a richer, more dynamic experience Using AV Kit to match your user interfaces with iOS Videos or OS X QuickTime Player Developing media capture apps with real-time video processing using OpenGL ES and Core Image Implementing custom video players Integrating advanced capture features such as video zooming, face detection, barcode scanning, and high frame rate capture Mixing multiple audio tracks and automating volume control Building sophisticated non-linear, non-destructive editing apps Adding advanced video editing capabilities, such as video transitions and animation effects

National Association of Broadcasters Engineering Handbook - Graham A. Jones 2013-04-26

The NAB Engineering Handbook provides detailed information on virtually every aspect of the broadcast chain, from news gathering, program production and postproduction through master control and distribution links to transmission, antennas, RF propagation, cable and satellite. Hot topics covered include HD Radio, HDTV, 2 GHz broadcast auxiliary services, EAS, workflow, metadata, digital asset management, advanced video and audio compression, audio and video over IP, and Internet broadcasting. A wide range of related topics that engineers and managers need to understand are also covered, including broadcast administration, FCC practices, technical standards, security, safety, disaster planning, facility planning, project management, and engineering management. Basic principles and the latest technologies and issues are all addressed by respected professionals with first-hand experience in the broadcast industry and manufacturing. This edition has been fully revised and updated, with 104 chapters and over 2000 pages. The Engineering Handbook provides the single most comprehensive and accessible resource available for engineers and others working in production, postproduction, networks, local stations, equipment manufacturing or any of the associated areas of radio and television.

The Routledge Companion to Gender, Sex and Latin American Culture - Frederick Luis Aldama 2018-05-24

The Routledge Companion to Gender, Sex and Latin American Culture is the first comprehensive volume to explore the intersections between gender, sexuality, and the creation, consumption, and interpretation of popular culture in the Américas. The chapters seek to enrich our understanding of the role of pop culture in the everyday lives of its creators and consumers, primarily in the 20th and 21st centuries. They reveal how popular culture expresses the historical, social, cultural, and political commonalities that have shaped the lives of peoples that make up the Américas, and also highlight how pop culture can conform to and solidify existing social hierarchies, whilst on other occasions contest and resist the status quo. Front and center in this collection are issues of gender and sexuality, making visible the ways in which subjects who inhabit intersectional identities (sex, gender, race, class) are "othered", as well as demonstrating how these same subjects can, and do, use pop-cultural phenomena in self-affirmative and progressively transformative ways. Topics covered in this volume include TV, film, pop and performance art, hip-hop, dance, slam poetry, gender-fluid religious ritual, theater, stand-up comedy, graffiti, videogames, photography, graphic arts, sports spectacles, comic books, sci-fi and other genre novels, lotería card games, news, web, and digital media.

Test-Driven Development in Microsoft .NET - Alexei Vorontsov 2004-03-17

With the clarity and precision intrinsic to the Test-Driven Development (TDD) process itself, experts James Newkirk and Alexei Vorontsov demonstrate how to implement TDD principles and practices to drive lean, efficient coding—and better design. The best way to understand TDD is to see it in action, and Newkirk and Vorontsov walk step by step through TDD and refactoring in an n-tier, .NET-connected solution. And, as members of the development team for NUnit, a leading unit-testing framework for Microsoft .NET, the authors can offer matchless insights on testing in this environment—ultimately making their expertise your own. Test first—and drive ambiguity out of the development process: Document your code with tests, rather than paper Use test lists to generate explicit requirements and completion criteria Refactor—and improve the design of existing code Alternate programmer tests with customer tests Change how you build UI code—a thin layer on top of rigorously tested code Use tests to make small, incremental changes—and minimize the debugging process Deliver software that's verifiable, reliable, and robust

