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This book covers the foundations of modern methods of quality control and improvement that are used in the manufacturing and service industries. Quality is key to surviving tough competition. Consequently, business needs technically competent people who are well-versed in statistical quality control and improvement. This book should serve the needs of students in business and management and students in engineering, technology, and other related disciplines. Professionals will find this book to be a valuable reference in the field. This study explores Customer Relationship Management (CRM) in government. Based on an interdisciplinary literature review and multiple-case study design, a model of Citizen Relationship Management (CiRM) is developed and discussed. The case studies explore the perceptions of CRM/CiRM by administrators, elected officials and consultants as well as its implementation and impact on the municipal level and in a multijurisdictional environment in the United States. Although the explorative part of the study focuses broadly on a theoretical conceptualization of CiRM, the immediate empirical referent of research are the 311 initiatives in the City of Baltimore, the City of Chicago, the City of New York and Miami-Dade County. Thus, the results help administrators and researchers to convey the idea and challenges of 311 well. The study shows that CRM is to a certain extent only partly able to make novel contributions to currently active reform movements in government. In addition, the study's findings support the idea that CiRM provides the means to a different kind of public participation. This book provides a detailed overview of the operational principles of modern mining geology, which are presented as a good mix of theory and practice, allowing use by a broad range of specialists, from students to lecturers and experienced geologists. The book includes comprehensive descriptions of mining geology techniques, including conventional methods and new approaches. The attributes presented in the book can be used as a reference and as a guide by mining industry specialists developing mining projects and for optimizing mining geology procedures. Applications of the methods are explained using case studies and are facilitated by the computer scripts added to the book as Electronic Supplementary Material. Provides information on Asterisk, an open source telephony application. Are you looking for a guide to learn the basics of a computer network? This book is for you! Before the advent of the wireless technology era, the existing communication technologies were primarily powered by wired technology. From the telephone to the fax machine, communication was not possible without a physical connection between the communication device and the source of the power of the device. For instance, there had to be a connection between a wired telephone and the dial board for communication to be possible. Just as with every other wired device, wireless communication has successfully displaced wired communication. The term wireless communication came into existence in the 19th century. Over the years, wireless communication technology has taken a new dimension. It ranks among the best mediums of information transmission from one device to other devices. This is not unconnected to the ease with which it allows users to communicate with others even if they are operating from a remote area. There are tons of devices that have been adapted for wireless communications. They include GPS, cordless phones, satellite television, Wi-Fi, and some other wireless computer parts. Recently, both the 3 and 4G networks have been included in the list alongside Bluetooth. This guide will cover the following topics: Wireless hardware and standard Subnetting Reminders and Tips Wireless Technologies Managing Routers and Switches Advanced Configurations IPv6 vs IPv4 The Internet's big arena Moving the Router Cabling the Network Subnetting Basics IPv6 Subnetting Scaling Networks... AND MORE! Buy this guide NOW to have the keys of networking with you and organize your computer network! Scroll to the top of the page and select the BUY NOW button... Rising young comedian Moshe Kasher is lucky to be alive. He started using drugs when he was just 12. At that point, he had already been in psychoanalysis for 8 years. By the time he was 15, he had been in and out of several mental institutions, drifting from therapy to rehab to arrest to...you get the picture. But KASHER IN THE RYE is not an "eye opener" to the horrors of addiction. It's a hilarious memoir about the absurdity of it all. When he was a young boy, Kasher's mother took him on a vacation to the West Coast. Well it was more like an abduction. Only not officially. She stole them away from their father and they moved to Oakland, California. That's where the real fun begins, in the war zone of Oakland Public Schools. He was more than just out of control-his mother walked him around on a leash, which he chewed through and ran away. Those early years read like part Augusten Burroughs, part David Sedaris, with a touch of Jim Carroll...but a lot more Jewish. In fact, Kasher later spends time in a Brooklyn Hasidic community. Then came addiction... Brutally honest and laugh-out-loud funny, Kasher's first literary endeavor finds humor in even the most horrifying situations. This work explains telephone switching systems and how the technology is evolving to accommodate voice-over-IP traffic. Unlike data networks, telephone networks are proprietary. They're purchased as complete systems and are hard if not impossible to modify. Allan Sulkin explains how to acquire, deploy and maintain a system with all the features needed to support essential new applications, and how to get optimal performance from the system you have. The motivation for this book stems from an early exposure to the book Applied Mechanics by John Perry. Professor Perry strove to encourage his readers to understand the applications and use of mathematics in engineering without insisting that they become immersed in pure mathematics. The following text uses this approach to the application of telecommunications switching. Readers wishing to study the derivation and proof of formulas will be able to do so using relevant references. The existence of low-cost programmable calculators frees practicing engineers from much laborious calculation, allowing more time for creative design and application of the art. The reader should not need to be able to derive formulas in order to apply them just as, to quote Professor Perry, "He should not have to be able to design a watch in order to tell time ... The material for this book has been drawn from my own experience in the field. Inevitably, however, I have used CCITT and Bell System publications for references and in some cases quotation, and I gratefully acknowledge permission for their use. I am also grateful to Stromberg Carlson Corporation for their earlier encouragement and support without which this book would not have been possible. Thanks are also due to Fred Hadfield for his advice and assistance in the preparation of the many figures and to my wife Ada for her support and patience as I pursued the demanding but interesting task of producing the text. A helpful guide on all things Cisco Do you wish that the complex topics of routers, switches, and networking could be presented in a simple, understandable presentation? With Cisco Networking All-in-One For Dummies, they are! This expansive reference is packed with all the information you need to learn to use Cisco routers and switches to develop and manage secure Cisco networks. This straightforward-by-fun guide offers expansive coverage of Cisco and breaks down intricate subjects such as networking, virtualization, and database technologies into easily digestible pieces. Drills down complex subjects concerning Cisco networking into easy-to-understand, straightforward coverage Shares best practices for utilizing Cisco switches and routers to implement, secure, and optimize Cisco networks Reviews Cisco networking solutions and products, securing Cisco networks, and optimizing Cisco networks Details how to design and implement Cisco networks Whether you're new to Cisco networking products and services or an experienced professional looking to refresh your knowledge about Cisco, this For Dummies guide provides you with the coverage, solutions, and best practices you need. Introduction to Cyber-Warfare: A Multidisciplinary Approach, written by experts on the front lines, gives you an insider's look into the world of cyber-warfare through the use of recent case studies. The book examines the issues related to cyber warfare not only from a computer science perspective but from military, sociological, and scientific perspectives as well. You'll learn how cyber-warfare has been performed in the past as well as why various actors rely on this new means of warfare and what steps can be taken to prevent it. Provides a multi-disciplinary approach to cyber-warfare, analyzing the information technology, military, policy, social, and scientific issues that are in play Presents detailed case studies of cyber-attack including inter-state cyber-conflict (Russia-Estonia), cyber-attack as an element of an information operations strategy (Israel-Hezbollah,) and cyber-attack as a tool against dissidents within a state (Russia, Iran) Explores cyber-attack conducted by large, powerful, non-state hacking organizations such as Anonymous and LulzSec Covers cyber-attacks directed against infrastructure, such as water treatment plants and power-grids, with a detailed account of Stuxnet The #1 bestselling beginner's guide to computer networking—now in a new edition Need networking know-how, but don't know where to turn? Run—don't walk—to the no-nonsense networking guidance offered in this friendly guide! Whether you're a networking administrator or an everyday computer user looking to set up a network in your home or office, Networking For Dummies seamlessly gets you connected with the basics and gives you the knowledge to work out whatever kinks may come your way—in no time. A network can make everything in your home or office run more smoothly and easily, but setting one up can be challenging for even the most computer-savvy people. Well, relax—this bestselling guide has you covered! Inside, you'll find step-by-step instructions on setting up and maintaining a network, working with broadband and wireless technologies, ensuring you're following best practices with storage and back-up procedures, building a wired or wireless network, and much more. Set up a network for all major operating systems Secure, optimize, and troubleshoot your network Create an intranet and use the Cloud safely Make sense of the latest updates to Windows 10 Don't let a thorny networking issue get the best of you! Heed the simple guidance in this friendly guide and effectively network your way to more effective shared data and resources. Preface; Introduction to Communications; Networking Fundamentals; Ethernet Networks; Fast and Gigabit Ethernet Systems; Introduction to TCP/IP; Internet Layer Protocols; Host to Host Layer Protocols; Application Layer Protocols; TCP/IP Utilities; LAN System Components; The Internet; Internet Access; The Internet for Communications; Security Considerations; Process Automation; Installing and Troubleshooting TCP/IP; Satellites and TCP/IP. The 365-series books are a unique product created keeping in mind the number of days we have in a year. Each book has 365 stories that will encourage children to read at least one story each day, inculcating in them the good habit of book reading. The series is aimed to awaken children towards moral values, cultivate religious beliefs and develop their knowledge of animals in the world. Children are sure to get hooked on the escapades summarized in a lucid manner. For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. Laugh a little each day with this great journal! As always, a picture on the back cover-Woodstock! Give yourself or a friend a unique present with a bright, bold, fun, & encouraging notebook! Makes a wonderful gift for a graduate, sister, brother, aunt, uncle, teacher, friend, cousin, teammate, bridesmaid, mom,

dad or anyone who could use a motivational, inspirational boost! Perfect for taking notes, jotting lists, doodling, brainstorming, book club notes, gratitude, prayer and meditation journaling, writing in as a diary, or giving as a gift for Mother's Day, Easter, Friendsgiving, White Elephant, a birthday, Christmas, first day of school, Rush Week, beginning or end of school, school supplies or any day! Not too thick & not too thin, so it's a great size to throw in your car, purse, or bag! Also a great alternative to a greeting card! SIZE: 6 X 9 inch PAPER: Lined (college ruled) on White Paper PAGES: 110 Pages COVER: Soft Cover (Matte)

This book covers the theory, design and applications of computer networks, distributed computing and information systems. Networks of today are going through a rapid evolution, and there are many emerging areas of information networking and their applications. Heterogeneous networking supported by recent technological advances in low-power wireless communications along with silicon integration of various functionalities such as sensing, communications, intelligence and actuators is emerging as a critically important disruptive computer class based on a new platform, networking structure and interface that enable novel, low-cost and high-volume applications. Several of such applications have been difficult to realize because of many interconnections problems. To fulfill their large range of applications, different kinds of networks need to collaborate, and wired and next-generation wireless systems should be integrated in order to develop high-performance computing solutions to problems arising from the complexities of these networks. The aim of the book "Advanced Information Networking and Applications" is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of information networking and applications. Sidestep VoIP Catastrophe the Foolproof Hacking Exposed Way "This book illuminates how remote users can probe, sniff, and modify your phones, phone switches, and networks that offer VoIP services. Most importantly, the authors offer solutions to mitigate the risk of deploying VoIP technologies." --Ron Gula, CTO of Tenable Network Security Block debilitating VoIP attacks by learning how to look at your network and devices through the eyes of the malicious intruder. Hacking Exposed VoIP shows you, step-by-step, how online criminals perform reconnaissance, gain access, steal data, and penetrate vulnerable systems. All hardware-specific and network-centered security issues are covered alongside detailed countermeasures, in-depth examples, and hands-on implementation techniques. Inside, you'll learn how to defend against the latest DoS, man-in-the-middle, call flooding, eavesdropping, VoIP fuzzing, signaling and audio manipulation, Voice SPAM/SPIT, and voice phishing attacks. Find out how hackers footprint, scan, enumerate, and pilfer VoIP networks and hardware Fortify Cisco, Avaya, and Asterisk systems Prevent DNS poisoning, DHCP exhaustion, and ARP table manipulation Thwart number harvesting, call pattern tracking, and conversation eavesdropping Measure and maintain VoIP network quality of service and VoIP conversation quality Stop DoS and packet flood-based attacks from disrupting SIP proxies and phones Counter REGISTER hijacking, INVITE flooding, and BYE call teardown attacks Avoid insertion/mixing of malicious audio Learn about voice SPAM/SPIT and how to prevent it Defend against voice phishing and identity theft scams For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. The CompTIA Network+ certification is an IT certification exam that verifies you have the essential knowledge and skills in networking to develop a career in IT infrastructure. Unlike other vendor-specific networking certifications, CompTIA Network+ prepares you to support the network regardless of the platform. It forms the foundation you need before specializing in a vendor solution. CompTIA Network+ is the only industry certification that covers both wired and wireless networks. CompTIA's Network+ validates the knowledge and skills needed to troubleshoot, configure and manage wired and wireless networks found in companies around the world. CompTIA Network+ certifies a professional-level understanding of emerging technologies, including cloud and virtualization technologies. "Consumer Behavior 2017-2018 presents dozens of surveys analyzing consumer spending characteristics, behavioral responses, and preferences. Easy-to-read summaries of current research and other information useful for retailers, marketers, advertisers, and business consultants are presented. While there are other publications focusing on general consumer behavioral topics, Consumer Behavior 2017-2018 is the only resource that integrates the full spectrum of applied consumer psychology, demographics, and purchasing influences with major consumer surveys. The demographics chapters present valuable insight into 25 segments, including the Hispanic, African-American, Asian-American, Baby Boomer, Generation X, Millennial, Gay & Lesbian, Affluent, and other consumer groups"--Provided by publisher. Gain an in-depth knowledge in immersive web development to create augmented reality (AR) and virtual reality (VR) applications inside web browsers using WebXR API, WebGL, Three.js, and A-Frame. This project-based book will provide the practice and portfolio content to make the most of what the futures of spatial computing and immersive technology have to offer. Beginning with technical analysis of how web browsers function, the book covers programming languages such as WebGL, JavaScript, and HTML, with an eye on a complete understanding of the WebXR lifecycle. You'll then explore how contemporary web browsers work at the code level and see how to set up a local development server and use it with the Visual Studio Code IDE to create 3D animation in the WebGL programming language. With a familiarity of the web-rendering pipeline in place, you'll venture on to WebGL abstractions such as the Three.js JavaScript library and Mozilla's A-Frame XR Framework, which use WebXR to create high-end visual effects. In the final projects of the book, you'll create an augmented reality web session for an Android phone device, and create a VR scene in A-Frame (built on Three.js) to demo essential components of the WebXR API pertaining to user positioning and interaction. Game engines have become common-place for the creation of mixed reality content. However, developers not interested in learning entirely new workflows may be better suited to work within a medium almost universally open to all—the web; AR and VR Using the WebXR API will show you the way. What You'll Learn Master the creation of virtual reality and augmented reality features for web page Prepare to work as an immersive web developer with a portfolio of projects in sought-after technologies Review the fundamentals of writing shaders in WebGL Experience the unity between client, server, and cloud architecture as it applies to location-based AR Who This Book Is For Aspiring immersive web developers and developers already familiar with the fundamentals of web development who want to further explore topics such as spatial computing, computer vision, spatial anchors, and cloud-computing for multi-user social experiences. This text is listed on the Course of Reading for SOA Exam P. Probability and Statistics with Applications is an introductory textbook designed to make the subject accessible to college freshmen and sophomores concurrent with Calc II and III, with a prerequisite of just one semester of calculus. It is organized specifically to meet the needs of students who are preparing for the Society of Actuaries qualifying Examination P and Casualty Actuarial Society's new Exam S. Sample actuarial exam problems are integrated throughout the text along with an abundance of illustrative examples and 870 exercises. The book provides the content to serve as the primary text for a standard two-semester advanced undergraduate course in mathematical probability and statistics. 2nd Edition Highlights Expansion of statistics portion to cover CAS ST and all of the statistics portion of CAS SAbundance of examples and sample exam problems for both Exams SOA P and CAS SCombines best attributes of a solid text and an actuarial exam study manual in one volumeWidely used by college freshmen and sophomores to pass SOA Exam P early in their college careersMay be used concurrently with calculus coursesNew or rewritten sections cover topics such as discrete and continuous mixture distributions, non-homogeneous Poisson processes, conjugate pairs in Bayesian estimation, statistical sufficiency, non-parametric statistics, and other topics also relevant to SOA Exam C. For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Dive into the world of securing digital networks, cloud, IoT, mobile infrastructure, and much more. KEY FEATURES ? Courseware and practice papers with solutions for C.E.H. v11. ? Includes hacking tools, social engineering techniques, and live exercises. ? Add on coverage on Web apps, IoT, cloud, and mobile Penetration testing. DESCRIPTION The 'Certified Ethical Hacker's Guide' summarises all the ethical hacking and penetration testing fundamentals you'll need to get started professionally in the digital security landscape. The readers will be able to approach the objectives globally, and the knowledge will enable them to analyze and structure the hacks and their findings in a better way. The book begins by making you ready for the journey of a seasonal, ethical hacker. You will get introduced to very specific topics such as reconnaissance, social engineering, network intrusion, mobile and cloud hacking, and so on. Throughout the book, you will find many practical scenarios and get hands-on experience using tools such as Nmap, BurpSuite, OWASP ZAP, etc. Methodologies like brute-forcing, wardriving, evil twinning, etc. are explored in detail. You will also gain a stronghold on theoretical concepts such as hashing, network protocols, architecture, and data encryption in real-world environments. In the end, the evergreen bug bounty programs and traditional career paths for safety professionals will be discussed. The reader will also have practical tasks and self-assessment exercises to plan further paths of learning and certification. WHAT YOU WILL LEARN ? Learn methodologies, tools, and techniques of penetration testing and ethical hacking. ? Expert-led practical demonstration of tools and tricks like nmap, BurpSuite, and OWASP ZAP. ? Learn how to perform brute forcing, wardriving, and evil twinning. ? Learn to gain and maintain access to remote systems. ? Prepare detailed tests and execution plans for VAPT (vulnerability assessment and penetration testing) scenarios. WHO THIS BOOK IS FOR This book is intended for prospective and seasonal cybersecurity lovers who want to master cybersecurity and ethical hacking. It also assists software engineers, quality analysts, and penetration testing companies who want to keep up with changing cyber risks. TABLE OF CONTENTS 1. Cyber Security, Ethical Hacking, and Penetration Testing 2. CEH v11 Prerequisites and Syllabus 3. Self-Assessment 4. Reconnaissance 5. Social Engineering 6. Scanning Networks 7. Enumeration 8. Vulnerability Assessment 9. System Hacking 10. Session Hijacking 11. Web Server Hacking 12. Web Application Hacking 13. Hacking Wireless Networks 14. Hacking Mobile Platforms 15. Hacking Cloud, IoT, and OT Platforms 16. Cryptography 17. Evading Security Measures 18. Practical Exercises on Penetration Testing and Malware Attacks 19. Roadmap for a Security Professional 20. Digital Compliances and Cyber Laws 21. Self-Assessment-1 22. Self-Assessment-2 For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. Seventeen articles, all written by specialists in industry (most, like the editor, work for BText Technologies), offer a broad treatment of Voice over IP, or VoIP. Among the topics are voice quality, access, telephony solutions at the customer level, international standards, SS7 over IP, gateways and the Megaco architecture, bearer-independent call control, numbering and naming, multimedia with H.323, and clearinghouses and open settlement protocol. Annotation copyrighted by Book News, Inc., Portland, OR "We know we need to improve our traditional school system, both public and private. But how? More homework? Better-qualified teachers? Longer school days or school years? More testing? More funding? No, no, no, and no. Montessori Madness! explains why the incremental steps politicians and administrators continue to propose are incremental steps politicians and administrators continue to propose are incremental steps in the wrong direction. The entire system must be turned on its head. This book asks parents to take a look--one thirty-minute observation--at a Montessori school. Your picture of what educations should look like will never be the same"--Back cover. Enhance your cross-platform programming abilities with the powerful features and capabilities of Qt 6 Key FeaturesLeverage Qt and C++ capabilities to create modern, cross-platform applications that can run on a wide variety of software applicationsExplore what's new in Qt 6 and understand core concepts in depthBuild professional customized GUI applications with the help of Qt CreatorBook Description Qt is a cross-platform application development framework widely used for developing applications that can run on a wide range of hardware platforms with little to no change in the underlying codebase. If you have basic knowledge of C++ and want to build desktop or mobile applications with a modern graphical user interface (GUI), Qt is the right choice for you. Cross-Platform Development with Qt 6 and Modern C++ helps you understand why Qt is one of the favorite GUI frameworks adopted by industries worldwide, covering the essentials of programming GUI apps across a multitude of platforms using the standard C++17 and Qt 6 features. Starting with the fundamentals of the Qt framework, including the features offered by Qt Creator, this practical guide will show you how to create classic user interfaces using Qt Widgets and touch-friendly user interfaces using Qt Quick. As you advance, you'll explore the Qt Creator IDE for developing applications for multiple desktops as well as for embedded and mobile platforms. You will also learn advanced concepts about signals and slots. Finally, the book takes you through debugging and testing your app with Qt Creator IDE. By the end of this book, you'll be able to build cross-platform applications with a modern GUI along with the speed and power of native apps. What you will learnWrite cross-platform code using the Qt framework to create interactive applicationsBuild a desktop application using Qt WidgetsCreate a touch-friendly user interface with Qt QuickDevelop a mobile application using Qt and deploy it on different platformsGet to grips with Model/View programming with Qt Widgets and Qt QuickDiscover Qt's graphics framework and add animations to your user interfaceWrite test cases using the Qt Test framework and debug codeBuild a translation-aware applicationFollow best practices in Qt to write high-performance codeWho this book is for This book is for application developers who want to use C++ and Qt to create modern, responsive applications that can be deployed to multiple operating systems such as Microsoft Windows, Apple macOS, and Linux desktop platforms. Although no prior knowledge of Qt is expected, beginner-level knowledge of the C++ programming language and object-oriented programming system (OOPs) concepts will be helpful. The bestselling guide for network administrators, fully updated for Windows 8 If you're responsible for a network, large or small, this book is your one-stop resource for all the essential details you need to know. Fully updated to cover Windows 8 and Windows Server 2012, it features the latest on broadband technologies, storage, backup procedures, and all the current networking trends. Nine handy minibooks cover the basics, building a network, administration and security, TCP/IP and the Internet, wireless networking, mobile networking, Windows Server 2012, using other Windows servers, and managing Linux systems. A proven bestseller, with more than 111,000 copies sold in four previous editions Written by veteran IT expert Doug Lowe, who has more than 50 technology books to his credit Provides one-stop shopping for everything networking professionals need to keep large or small networks functioning efficiently Updated with the latest information on building and administering a network, security, wireless and mobile networking, using Windows servers, working with Linux systems, and much more Networking All-in-One For Dummies, 5th Edition provides what network administrators need to know in a handy, easy-to-use reference.