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You could purchase guide Nest Thermostat User Guide or acquire it as soon as feasible. You could speedily download this Nest Thermostat User Guide after getting deal. So, as soon as you require the books swiftly, you can straight acquire it. Its therefore totally simple and suitably fats, isnt it? You have to favor to in this tone looking at the PCB, and identifying the chipsets and interfaces. You’ll then use that information to gain entry to the device or to perform other actions, such as dumping encryption keys and firmware. As the IoT rises to one of the most popular tech trends, manufactures need to take necessary steps to secure devices and protect them from attackers. The IoT Hacker’s Handbook breaks down the Internet of Things, exploits it, and reveals how these devices can be built securely. What You’ll Learn Perform a threat model of a real-world IoT device and locate all possible attacker entry points Use reverse engineering of firmware binaries to identify security issues Analyze, assess, and identify security issues in exploited ARM and MIPS based binaries Sniff, capture, and exploit radio communication protocols, such as Bluetooth Low Energy (BLE), and ZigBee Who This Book Is For Those interested in learning about IoT security, such as pentesters working in different domains, embedded device developers, or IT people wanting to move to an Internet of Things security role.

Apple Homekit: An Easy Guide to the Best Features Michael Galeso 2016-10-20 Apple announced iOS 8 at the World Wide Developers Conference in June 2014. It was here that they spoke of some of their upcoming features. Included in these features were two new kit platforms. These were the now popular Healthkit and Homekit. WHAT IS HOMEKIT? Instead of a single control application, Homekit is a hardware certification platform that enables developers to amalgamate hardware with iOS which provides communication between smarthome products such as lights, locks, security systems etc. Homekit enabled products were made available one year after they were announced in 2014. WHAT IT CAN DO Homekit products, along with an iOS device, allow you to control directly with the homekit enabled accessories to set lights, thermostat and lock timers to go off or on at certain times. It also enables you to use voice commands to perform some of these tasks within your home.

Designing Connected Products Claire Rowland 2015-05-18 Networked thermostats, fitness monitors, and door locks show that the Internet of Things can (and will) enable new ways for people to interact with the world around them. But designing connected products for consumers brings new challenges beyond conventional software UI and interaction design. This book provides experienced UX designers and technologists with a clear and practical roadmap for approaching consumer product strategy and design in this novel market. By drawing on the best of current design practice and academic research, Designing Connected Products delivers sound advice for working with cross-device interactions and the complex ecosystems inherent in IoT technology.

WiFi User Guide 2020 Edition Gel Gepsy This book was first published in 2015. Since then, the Wi-Fi technology has evolved tremendously. This 2020 edition has important updates about security. Once hackers take control of your Wi-Fi router, they can attack connected devices such as phones, laptops, computers! Fortunately, it is easy to harden the defense of your home network. There are important steps you should take in order to protect your connected devices. An exhaustive catalog of the latest home security devices has been updated in this 2020 edition. Why would you spend a lot of money to have a home security system installed when you can do it yourself! A chapter about health risks has also been added. Are EMF radiations safe? We regularly post updates on our site http://mediastimulus.com such as security alerts and the latest in Wi-Fi technology. Your feedback is always welcome http://mediastimulus.com/contact/

The IoT Hacker’s Handbook Aditya Gupta 2019-03-30 Take a practitioner’s approach in analyzing the Internet of Things (IoT) devices and the security issues facing an IoT architecture. You’ll review the architecture’s central components, from hardware communication interfaces, such as UART and SPI, to radio protocols, such as BLE or ZigBee. You’ll also learn to assess a device physically by opening it, looking at the PCB, and identifying the chipsets and interfaces. You’ll then use that information to gain entry to the device or to perform other actions, such as dumping encryption keys and firmware. As the IoT rises to one of the most popular tech trends, manufactures need to take necessary steps to secure devices and protect them from attackers. The IoT Hacker’s Handbook breaks down the Internet of Things, exploits it, and reveals how these devices can be built securely. What You’ll Learn Perform a threat model of a real-world IoT device and locate all possible attacker entry points Use reverse engineering of firmware binaries to identify security issues Analyze, assess, and identify security issues in exploited ARM and MIPS based binaries Sniff, capture, and exploit radio communication protocols, such as Bluetooth Low Energy (BLE), and ZigBee Who This Book Is For Those interested in learning about IoT security, such as pentesters working in different domains, embedded device developers, or IT people wanting to move to an Internet of Things security role.

Samsung Gear S3 Classic and Frontier: An Easy Guide to Best Features Michael Galeso 2016-10-20 The Samsung gear s3 classic and frontier are new and upcoming smart watches that are circular Tizen based watches that are developed by Samsung Electronics. It was officially announced in August 2016 with all the relevant specifications. The Samsung Gear S3 Classic will have Bluetooth technology while the Samsung Gear S3 Frontier will have LTE technology as an additional feature. They both use the Tizen based Wearable Platform 2.3.2 for their operating system. The Gear S3 Class has dimensions of 46 x 49 x 12.9 and weighs 57g while the Gear S3 Frontier has the same dimensions but has a heavier weight at 62g. This book will explore the various features of both of these amazing smartwatches.

Elegant Design Luca Iandoli 2022-03-10 Visual information is everywhere. We are constantly immersed in a flow of visual data that reshapes our social and inner world. Companies and individuals are competing to conquer the public’s scarce attention by inventing distinctive visual formats to stand out from the crowd. How can designers, inventors, and product managers create designs that are quick to process as well as meaningful, unique and memorable in an age characterized by constant information overload? The answer is to think aesthetically. Research insights at the intersection between cognitive science and art studies demonstrate that our minds can effectively process visual complexity by using aesthetic pleasure and judgement as a guide. Analysing the work of great artists and designers from the perspective of how our mind appreciates beauty, Elegant Design identifies actionable aesthetic strategies that will help you to design products and user experiences that are useful, beautiful and meaningful.

Human Rights and Digital Technology Susan Perry 2016-12-07 Analysing the convergence of law and regulation with rapidly evolving communications technologies, this interdisciplinary work navigates the intricate balancing act
between human rights protection and technological innovation in a digital age, and illuminates the comprehensive potential of human rights to frame our intelligent use of technology. The authors address such pressing questions as how to protect user privacy online, whether digital pollution is a health hazard, who should have control and be responsible for data technologies and how to maintain human autonomy in a world of interconnected objects. By considering specific cases, this book provides an in-depth exploration of the many regulatory and technological choices citizens, states, civil society organizations and the private sector should consider to ensure that digital technology more fully serves human needs.

Designing for Sustainability Tim Frick 2016-08-23 Pixels use electricity, and a lot of it. If the Internet were a country, it would be the sixth largest in terms of electricity use. That’s because today’s average web page has surpassed two megabytes in size, leading to slow load times, frustrated users, and a lot of wasted energy. This book will lay the foundation for how to apply sustainability principles for creating speedy, user-friendly, and energy-efficient digital products and services. Author Tim Frick introduces a web design framework that focuses on four key areas where these principles can make a difference: content strategy, performance optimization, design and user experience, and green hosting. You’ll discover how to provide users with a streamlined experience, while reducing the environmental impact of your products and services. Learn why 90% of the data that ever existed was created in the last year Use sustainability principles to innovate, reduce waste, and function more efficiently Explore green hosting, sustainable business practices, and lean/agile workflows in a web design context. Right things in front of Jack, they need them-and nothing more. Increase site search engine visibility, streamline user experience, and make streaming video more efficient Use Action Items to explore concepts outlined in each chapter

Machine Learning with Go Quick Start Guide Michael Bironneau 2019-05-31 This quick start guide will bring the readers to a basic level of understanding when it comes to the Machine Learning (ML) development lifecycle, will introduce Go ML libraries and then will exemplify common ML methods such as Classification, Regression, and Clustering Key Features Your handy guide to building machine learning workflows in Go for real-world scenarios Build predictive models using the popular supervised and unsupervised machine learning techniques Learn all about deployment strategies and take your ML application from prototype to production ready Book Description Machine learning is an essential part of today’s data-driven world and is extensively used across industries, including financial forecasting, robotics, and web technology. This book will teach you how to efficiently develop machine learning applications in Go. The book starts with an introduction to machine learning and its development process, explaining the types of problems that it aims to solve and the solutions it offers. It then covers setting up a frictionless Go development environment, including running Go interactively with Jupyter notebooks. Finally, common data processing techniques are introduced. The book then introduces the reader about supervised and unsupervised learning techniques through worked examples that include the implementation of evaluation metrics. These worked examples make use of the prominent open-source libraries GoML and Gonum. The book also teaches readers how to load a pre-trained model and use it to make predictions. It then moves on to the operational side of running machine learning applications: deployment, Continuous Integration, and helpful advice for effective logging and monitoring. At the end of the book, readers will learn how to set up a machine learning project for success, formulating realistic success criteria and accurately translating business requirements into technical ones. What you will learn Understand the types of problem that machine learning solves, and the various approaches Import, pre-process, and explore data with Go to make it ready for machine learning algorithms Visualize data with gonum/plot and Gophernotes Diagnose common machine learning problems, such as overfitting and underfitting Implement supervised and unsupervised learning algorithms using Go libraries Build a simple web service around a model and use it to make predictions Who this book is for This book is for developers and data scientists with at least beginner-level knowledge of Go, and a vague idea of what types of problem Machine Learning aims to tackle. No advanced knowledge of Go (and no theoretical understanding of the math that underpins Machine Learning) is required.

Organizational Maintenance Manual 1971

The Guide Peter Heller 2022-05-18 NATIONAL BESTSELLER • The best-selling author of The River returns with a heart-racing thriller about a young man who is hired by an elite fishing lodge in Colorado, where he uncovers a plot of shocking menace amid the natural beauty of sun-drenched streams and forests. "Peter Heller is the poet laureate of the literary thriller." —Michael Koryta, New York Times bestselling author of Those Who Wish Me Dead Kingfisher Lodge, nestled in a canyon on a mile and a half of the most pristine river water on the planet, is known by locals as " Billionaire’s Mile " and is locked behind a heavy gate. Sandwiched between barbed wire and a meadow with a sign that reads “Don’t Get Shot!” the resort boasts boutique fishing at its finest. Safe from viruses that have plagued America for years, Kingfisher offers a respite for wealthy clients. Now it also offers a chance to escape the daily rhythms of Jack, a fisherman after Jack’s wife’s inexplicable and sudden death. When he is assigned to guide a well-known singer, his only job is to rig her line, carry her gear, and steer her to the best trout he can find. But then a human scream pierces the night, and Jack soon realizes that this idyllic fishing lodge may be merely a cover for a far more sinister operation. A novel as gripping as it is lyrical, as frightening as it is moving, The Guide is another masterpiece from Peter Heller.

Energy Audit of Building Systems Moncef Krarti 2020-12-01 Updated to include recent advances, this third edition presents strategies and analysis methods for conserving energy and reducing operating costs in residential and commercial buildings. The book explores the latest approaches to measuring and improving energy consumption levels, with calculation examples and Case Studies. It covers field testing, energy simulation, and retrofit analysis of existing buildings. It examines subsystems such as lighting, heating, and cooling and techniques needed for accurately evaluating them. Auditors, managers, and students of energy systems will find this book to be an invaluable resource for their work. Explores state-of-the-art techniques and technologies for reducing energy combustion in buildings. Presents the latest energy efficiency strategies and established methods for energy estimation. Provides calculation examples that outline the application of the methods described. Examines the major building subsystems: lighting, heating, and cooling, and air-conditioning. Addresses large-scale retrofit analysis approaches for existing building stocks. Introduces the concept of energy productivity to account for the multiple benefits of energy efficiency for buildings. Includes Case Studies to give readers a realistic look at energy audits. Moncef Krarti has vast experience in designing, testing, and assessing innovative energy efficiency and renewable energy technologies applied to buildings. He graduated from the University of Colorado with both MS and PhD in Civil Engineering. Prof. Krarti directed several projects in designing energy-
Efficient buildings with integrated renewable energy systems. He has published over 3000 technical journals and handbook chapters in various fields related to energy efficiency, distribution generation, and demand-side management for the built environment. Moreover, he has published several books on building energy-efficient systems. Prof. Krarti is Fellow member to the American Society for Mechanical Engineers (ASME), the largest international professional society. He is the founding editor of the ASME Journal of Sustainable Buildings & Cities Equipment and Systems. Prof. Krarti has taught several different courses related to building energy systems for over 20 years in the United States and abroad. As a professor at the University of Colorado, Prof. Krarti has been managing the research activities of an energy management center at the school with an emphasis on testing and evaluating the performance of mechanical and electrical systems for residential and commercial buildings. He has also helped the development of energy centers in other countries such as Brazil, Mexico, and Tunisia. In addition, Prof. Krarti has extensive experience in promoting building energy technologies and policies overseas, including the establishment of energy research centers, the development of building energy codes, and the delivery of energy training programs in several countries.

The Animal Lover’s Guide to Changing the World Stephanie Feldstein 2018-06-05

“This book belongs on every animal lover’s shelf—and it’s a particularly great gift for young people who are on fire to save animals but are unsure where to start. Hooray!”—Sy Montgomery, author of The Good Good Pig and The Soul of an Octopus The Animal Lover’s Guide to Changing the World is the inspiring, accessible, and empowering book that shows animal lovers how to live a more animal-friendly life, even if they aren’t ready to join a movement or give up bacon. With more than 7.5 billion people on the planet, wildlife is going extinct at the fastest rate since the dinosaurs. Three to four million dogs and cats are killed in shelters every year; billions of chickens, pigs, and cows are killed for food; and countless animals are killed in research labs or their habitat. The numbers are daunting, but there’s good news too! Even one person truly can make a difference without breaking the bank. With Stephanie Feldstein's straightforward and encouraging guidance, readers will learn how to take action to create a better world for the animals we love. It starts with changes as simple as taking a shorter shower, skipping meat once a week, wearing “this” not “that,” and extending all the way to online activism and politics. The animals need us; so let’s get on with some world changing!

Measurement and Safety Béla G. Lipták 2016-11-25 The Instrument and Automation Engineers’ Handbook (IAEH) is the #1 process automation handbook in the world. Volume one of the Fifth Edition, Measurement and Safety, covers safety sensors and the detectors of physical properties. Measurement and Safety is an invaluable resource that: Describes the detectors used in the measurement of process variables Offers application- and method-specific guidance for choosing the best measurement device Provides tables of detector capabilities and other practical information Provides a balance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers, including suppliers’ web addresses Complete with 163 alphabetized chapters and a thorough index for quick access to specific information, Measurement and Safety is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders’ list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.

CompTIA Cloud Essentials+ Study Guide Quentin Docter 2020-01-22 Prepare for success on the New Cloud Essentials+ Exam (CL0-002) The latest title in the popular Sybex Study Guide series, CompTIA Cloud Essentials+ Study Guide helps candidates prepare for taking the NEW CompTIA Cloud Essentials+ Exam (CL0-002). Ideal for non-technical professionals in IT environments, such as marketers, sales people, and business analysts, this guide introduces cloud technologies at a foundational level. This book is also an excellent resource for those with little previous knowledge of cloud computing who are looking to start their careers as cloud computing professionals. The book covers all the topics needed to succeed on the Cloud Essentials+ exam and provides knowledge and skills that any cloud computing professional will need to be familiar with. This skill set is in high demand, and excellent careers await in the field of cloud computing. Gets you up to speed on fundamental cloud computing concepts and technologies Prepares IT professionals and those new to the cloud for the CompTIA Cloud Essentials+ exam objectives Provides practical information on making decisions about cloud technologies and their business impact Helps candidates evaluate business use cases, financial impacts, cloud technologies, and deployment models Examines various models for cloud computing implementation, including public and private clouds Identifies strategies for making cost-effective decisions about cloud computing Security needs The book introduces cloud computing concepts, the business principles of cloud computing, management and technical operations, cloud security, and more. Readers will also have access to Sybex’s superior online interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a glossary of key terms.

Hive Lisa M. Cini 2017-04-27 This is not just a book, its a MOVEMENT. Lisa did not choose to write Hive, Hive chose her. Kute Blackson, transformational teacher and bestselling author of You.Are.The.One. Four generations live under one roof in Columbus, Ohio, and they've figure out to make it work: dividing responsibilities and chores, re-designing some physical spaces for privacy, and reconfiguring others into common areas for all to gather and enjoy living together. This tale of heartache, heroism, and hope is one family's multi generational social experiment, which encompasses kids in their teens, parents in their forties, grandparents in their seventies, and a ninety-plus year-old great-grandmother. Together, as they navigate the joys and challenges that come with aging in America, they're also answering the question, How does family help you thrive at home when you're old? An Alzheimer's/dementia diagnosis adds a layer of complexity, yet the family resolves to keep their eldest at home for as long as she's happy, safe and engaged in life. The younger generation learns much from their elders, and the elders from their children. While mastering the use of technology in new systems, they're also mastering the use of humor, tolerance, and patience. Ultimately, that's what makes this four-generation experiment a success. Practical design advice and clear-eyed strategies are mixed with personal tips and observations, making it easy to see how anyone can transform their home in into their own multi-generational living situation. Her stories are honest, both funny and poignant. The familys fiascos are counterbalanced by their many successes, the greatest one being that as individuals and as a family, they continue to thrive.
This book is a guide on how to use Google Home. It begins by guiding you on how to setup your Google Home device, including connecting it to the Google Home app before using it. The book then guides you on the basics of using the device, such as turning it on, rebooting the device, and muting it, as well as how to adjust the volume. Google Home can be used for playing TV movies and shows. This book guides you on how to do this. It is also possible for you to connect your Google Home to external speakers and then play your audio in the speakers. This book provides you with a guide on how to set this up. With Google Home, you can control the lighting system of your house by the use of voice commands only. You will learn how to do this by the use of Philips Hue lights. Google Home can also help you to control the temperature of your house via a Nest thermostat. This is discussed in detail in this book. Google Home can also be connected to the various WeMo devices such as the WeMo switches. This book explains in detail when to use Google Home with some of the common tasks when using Google Home, as well as some of the funny questions you can ask the device. The following topics are discussed: Getting Started with Google Home - How to Use Google Home - Playing TV Movies and Shows with Google Home - Playing Audio on Speakers - Smart Lights with Google Home - Google Home and Thermostat - Google Home and WeMo - Tips and Tricks

Cambridge National Level 1/2 Certificate in Information Technologies Brian Gillinder 2018-03-05 Target success in the Cambridge National Certificate in Information Technologies with this essential classroom resource that will develop students' understanding of data, build their transferrable skills and knowledge to become confident users of technology in the world of work. Students will complete regular assessments. Builds students’ knowledge through clearly focused content and activities to assess understanding and aid progression. Prepares your students for the examination assessment with opportunities to test and consolidate understanding. Provides students with contexts to apply digital technology skills

Handbook of Real-Time Computing Yu-Chu Tian 2022-08-08 The aim of this handbook is to summarize the recent rapidly developed real-time computing technologies, from theories to applications. This handbook benefits the readers as a full and quick technical reference with a high-level historic review of technology, detailed technical descriptions and the latest practical applications. In general, the handbook is divided into three main parts (subjected to be modified): theory, design, and application covering different but not limited to the following topics: Real-time operating systems - Real-time scheduling - Timing analysis - Programming languages and run-time systems - Middleware systems - Design and analysis tools - Real-time aspects of wireless sensor networks - Energy aware real-time methods

CASP CompTIA Advanced Security Practitioner Study Guide Michael Gregg 2014-10-27 This book is a guide on how to use Google Home. It begins by guiding you on how to setup your Google Home device, including connecting it to the Google Home app before using it. The book then guides you on the basics of using the device, such as turning it on, rebooting the device, and muting it, as well as how to adjust the volume. Google Home can be used for playing TV movies and shows. This book guides you on how to do this. It is also possible for you to connect your Google Home to external speakers and then play your audio in the speakers. This book provides you with a guide on how to set this up. With Google Home, you can control the lighting system of your house by the use of voice commands only. You will learn how to do this by the use of Philips Hue lights. Google Home can also help you to control the temperature of your house via a Nest thermostat. This is discussed in detail in this book. Google Home can also be connected to the various WeMo devices such as the WeMo switches. This book explains in detail when to use Google Home with some of the common tasks when using Google Home, as well as some of the funny questions you can ask the device. The following topics are discussed: Getting Started with Google Home - How to Use Google Home - Playing TV Movies and Shows with Google Home - Playing Audio on Speakers - Smart Lights with Google Home - Google Home and Thermostat - Google Home and WeMo - Tips and Tricks

Cambridge National Level 1/2 Certificate in Information Technologies Brian Gillinder 2018-03-05 Target success in the Cambridge National Certificate in Information Technologies with this essential classroom resource that will develop students’ understanding of data, build their transferrable skills and knowledge to become confident users of technology in the world of work. Students will complete regular assessments. Builds students’ knowledge through clearly focused content and activities to assess understanding and aid progression. Prepares your students for the examination assessment with opportunities to test and consolidate understanding. Provides students with contexts to apply digital technology skills

CEBus Demystified: The ANSI/EIA 600 User's Guide Grayson Evans 2001-03-22 GET THE EDGE WITH NETWORKS AND PRODUCTS FOR "SMART" HOMES Get all the tools you need to work with the CEBus (Consumer Electronics Bus) standard in one handy resource. CEBus Demystified: ANSI/EIA 600 User's Guide by Grayson Evans walks you through every step required to create residential products that can "talk" to each other (and allow their owners to talk to them), using the latest ANSI/EIA 600 communications and cabling standard for home automation and residential consumer products. This unique guide provides you with a complete explanation of HPnP (Home Plug & Play), and shows you how to: *Ride the convergence curve with trend-setting residential networks, product designs, and interoperability. *Build a CEBus-compliant product that incorporates "smartness" into homes and products with features that meet tomorrow’s needs. *Use and interpret CAL (Common Application Language), with step-by-step guidance, examples, and reference material not found in the specification.
Building Cities to LAST Jassen Callender 2021-12-31 Building Cities to LAST presents the myriad issues of sustainable urbanism in a clear and concise system, and supports holistic thinking about sustainable development in urban environments by providing four broad measures of urban sustainability that differ radically from other, less long-lived patterns: these are Lifecycle, Aesthetics, Scale, and Technology (LAST). This framework for understanding the relationship between these four measures and the essential types of infrastructure—grouped according to the basic inputs and outputs of urban systems—is presented in a way that is simple and easy-to-understand format. These broad city measures and infrastructures address the city as a whole and as a recognizable pattern of human activity and, in turn, increase the ability of cities—and the human race—to LAST. This book will find wide readership particularly among students and young practitioners in architecture, urban planning, and landscape architecture.  

The Business Model: How to Develop New Products, Create Market Value and Make the Competition Irrelevant Alexander Chernev 2017-03-19 New product success is often attributed to intuition. Yet, while some products born from intuition do make it big, many others crash and burn. The reason is that intuition is only one aspect of the product creation process. The other aspect is the business model that outlines the ways in which new products will create market value. This book offers a systematic approach to identifying market opportunities and developing breakthrough business models. It outlines the key principles of business model generation, presents a value-based framework for developing viable new offerings, and provides a set of practical tools for creating a meaningful value proposition that drives market success. The business model framework outlined in this book applies to a wide range of companies—startups and established enterprises, consumer-packaged-goods companies and business-to-business enterprises, high-tech and low-tech ventures, online and brick-and-mortar entities, product manufacturers and value-added service providers, nonprofit organizations and profit-driven companies. Practical, actionable, and succinct, this Business Model is the essential reference and how-to guide for everyone seeking to achieve market success: from entrepreneurs to experienced managers, from senior executives to product designers, from those creating new market offerings to those improving on existing ones. This book is for those passionate about building great products that create market value and disrupt industries.  

The Home Owner’s Guide to HVAC Rob Turner P.E. 2021-08-04 How green is green? The average homeowner is usually well-informed about which products and concepts are considered “green,” but they seem to have less of an understanding of how they compare to new products. Here are the answers. Did you know that 40 percent of the average home power bill is dedicated to air conditioning in warm climates? Further, energy is spent on cooking, hot water, clothes dryers, and such. Did you know that solar hydronic panels are way more efficient than solar voltaic panels? How about instantaneous water heaters? Are they good? Homeowners need to make dozens of decisions about which products or services they need in order to make their home the most efficient it can be for the given budget. Do you have mold or humidity problems? If you want to learn about things like the home envelope, HVAC, hot water, and electrical systems, this book is for you. It is written in plain English, and covers all the bases. Also, given are tips on saving the environment from an engineer’s perspective. The author is a big fan of the environment, but does not like “greenwashing.” The generic definition of greenwashing is the practice of making an unsubstantiated or misleading claim about the environmental benefits of a product, service, or technology. Pros and cons of various “green” products are discussed so that the homeowner can understand the smartest purchases and practices. One of the things you will learn is that the envelope of the home is just as important as the HVAC. You have to understand both to be successful. The envelope is thoroughly discussed as well as HVAC, plumbing, electrical, and the various green technologies.

CASP+ CompTIA Advanced Security Practitioner Study Guide Jeff T. Parker 2019-01-23 Comprehensive coverage of the new CASP+ exam, with hands-on practice and in-depth analysis of key concepts. This CASP+ Study Guide is fully revised and updated and includes multiple practice exams. The CASP+ exam is the next step for security professionals who need to demonstrate their knowledge of advanced security technologies. This new edition covers the latest specifications for security technology and provides in-depth coverage of all the objectives of the CASP+ exam. The CASP+ exam is an excellent choice for anyone who needs to demonstrate knowledge of advanced security technologies. This new edition covers the latest specifications for security technology and provides in-depth coverage of all the objectives of the CASP+ exam. The exam includes hands-on labs, practice exams, and detailed explanations. Designed to help you pass the exam with ease, this authoritative exam preparation guide includes:

- **Exam Preparation:** Written by industry experts, this guide is designed to help you pass the exam with ease. It covers all the objectives of the CASP+ exam, including hands-on labs, practice exams, and detailed explanations.
- **Real-World Insights:** Illustrates critical topics and shows how to apply them in real-world situations. The next few years will bring a 45-fold increase in digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP+ certification validates this in-demand skill set, and this book is your ideal resource for passing the exam. Master cryptography, controls, vulnerability analysis, and network security Identify risks and execute mitigation planning, strategies, and controls Identify security trends and their impact on your organization Command and control systems and other technical components to achieve a secure enterprise architecture

- **Hands-On Labs:** These labs provide a practical way to apply the concepts you learn in the exam. They include real-world scenarios and case studies that help you understand how to apply the concepts to real-world situations.
- **Practice Exams:** Includes over 400 questions and answers to test your knowledge in advance of the exam. The next few years will bring a 45-fold increase in digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP+ certification validates this in-demand skill set, and this book is your ideal resource for passing the exam. Master cryptography, controls, vulnerability analysis, and network security Identify risks and execute mitigation planning, strategies, and controls Identify security trends and their impact on your organization Command and control systems and other technical components to achieve a secure enterprise architecture.

- **Interactive Study Tools:** The CASP+ CompTIA Advanced Security Practitioner Study Guide is available in an interactive format, which allows you to easily navigate through the material and review concepts as needed. It also includes a searchable index and glossary, which makes it easy to find specific information.

- **Conclusion:** This book is an essential resource for anyone preparing for the CASP+ exam. It covers all the objectives of the exam, includes hands-on labs, practice exams, and detailed explanations, and is designed to help you pass the exam with ease. Whether you are a security professional looking to advance your career or a student studying for the exam, this book is an invaluable resource.
resource also serves as an essential on-the-job reference. Covers all exam topics, including: •Networking fundamentals •Network design •Cloud computing •Authentication and access control •Unix/Linux •Windows •Encryption •Risk management •Virtual machines •Vulnerability control •Malware •Incident response •Wireless technologies •Log Management •IoT and embedded devices Online content features: •Two practice exams •Test engine that provides full-length practice exams and customizable quizzes •Author videos

Building Energy Modeling with OpenStudio Larry Brackney 2018-05-15 This textbook teaches the fundamentals of building energy modeling and analysis using open source example applications built with the US DOE's OpenStudio modeling platform and EnergyPlus simulation engine. Designed by researchers at US National Laboratories to support a new generation of high performance buildings, EnergyPlus and OpenStudio are revolutionizing how building energy modeling is taught in universities and applied by professional architects and engineers around the world. The authors, all researchers at National Renewable Energy Laboratory and members of the OpenStudio software development team, present modeling concepts using open source software that may be generally applied using a variety of software tools commonly used by design professionals. The book also discusses modeling process automation in the context of OpenStudio Measures—small self-contained scripts that can transform energy models and their data—to save time and effort. They illustrate key concepts through a sophisticated example problem that evolves in complexity throughout the book. The text also examines advanced topics including daylighting, parametric analysis, uncertainty analysis, design optimization, and much more.

Google Home 2017: An Easy Guide to the Features Gack Davodson 2017-02-19 Google Home is a connected home accessory that can control gadgets in the home, play music and provides answers from Google Search. The device is a smart-home speaker that is voice-activated and connects to the internet; it uses AI-powered Google Assistant (that is artificial intelligence) which is able to provide more than the average response seen in its competitor. In addition, Google Home is able to provide you with a weather update, the cost for plane tickets and allow you to listen to the morning news. It was released in early November last year as a part of Google’s “Made By Google” brand of products and is activated by “Ok Google”.

The Simple Guide to Home Electronics, 2017 Mark Schutte 2017-05-26 The Simple Guide to Home Electronics helps the average person navigate the bewildering array of choices in the ever-changing world of home electronics that impact our day to day lives. A wide variety of topics from lightbulbs to the Internet, TV, Telephone, Cameras, and the Internet of Things (IoT) are explained without all the tech savvy jargon. Each chapter begins with a general overview and practical advice, then moves on to in-depth information that will give you an understanding of the type of products available and how they work. If you have ever considered disconnecting your cable TV, a smart thermostat or turning on the lights with a voice activated product, then this book is for you. The author’s light conversational style along with his own engaging stories, humor and points of view make these complex topics easy to understand. The information is presented in free-standing independent chapters that can be referenced over and over again as you replace and update the technology in your home.

The IoT Architect's Guide to Attainable Security and Privacy Damilare D. Fagbemi 2019-10-08 This book describes how to architect and design Internet of Things (IoT) solutions that provide end-to-end security and privacy at scale. It is unique in its detailed coverage of threat analysis, protocol analysis, secure design principles, intelligent IoT's impact on privacy, and the effect of usability on security. The book also unveils the impact of digital currency and the dark web on the IoT-security economy. It's both informative and entertaining. "Filled with practical and relevant examples based on years of experience ... with lively discussions and storytelling related to IoT security design flaws and architectural issues."— Dr. James F. Ransome, Senior Director of Security Development Lifecycle (SOL) Engineering, Intel "There is an absolute treasure trove of information within this book that will benefit anyone, not just the engineering community. This book has earned a permanent spot on my office bookshelf."—Fellow of Engineering, Office of Chief Security Officer, Zebra Technologies "The importance of this work goes well beyond the engineer and architect. The IoT Architect's Guide to Attainable Security & Privacy is a crucial resource for every executive who delivers connected products to the market or uses connected products to run their business."— Kurt Lee, VP Sales and Strategic Alliances at PMWIE Express "If we collectively fail to follow the advice described here regarding IoT security and Privacy, we will continue to add to our mounting pile of exploitable computing devices. The attackers are having a field day. Read this book, now."— Brook S.E. Schoenfield, Director of Advisory Services at IOActive, previously Master Security Architect at McAfee, and author of Securing Systems

Nest Smart Home Electronics: An Easy Guide to the Best Features Bill Stonehem 2016-07-28 Nest electronics was a producer of automated home electronics that have the ability to learn and are operated by sensor and Wi-Fi connection. The first product ever made by the company was a Nest Learning Thermostat that they developed in 2011. The company was founded in 2010 by Tony Fadell and Matt Rogers who were both former engineers at Apple. The company has grown tremendously since its start moving from 130 employees to 1, 100 and is highly praised for its smart home devices.

Amazon Echo Manual Guide : Top 30 Hacks And Secrets To Master Amazon Echo & Alexa For Beginners Scott Green 2015-10-28 Your Perfect Guide to Amazon Echo! This book is a complete and handy companion that will enable you to set up and use your Amazon Echo device quickly and efficiently for beginners. By reading this book you will understand and be able to receive all the benefits that this wonderful device has to offer, allowing you to keep up with your busy schedule. You will learn: Hacking The Remote Control Fake WEMO Devices Control Lights And Temperature Know The Best Commands And a whole lot more! Download NOW and Start Reading!

Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Seventh Edition (Exams 220-1101 & 220-1102) Mike Meyers 2022-12-09 Fully Updated, Essential Skills for a Successful IT Career Created and edited by the leading authority on CompTIA A+ certification and training, this fourth edition will help you pass CompTIA A+ exams 220-1101 and 220-1102 and become a certified IT professional with proven expertise in hardware and software. Mike Meyers’ CompTIA A+TM Guide to Managing and Troubleshooting PCs, Seventh Edition offers complete coverage of the latest exam objectives. You’ll get on-the-job tips, end-of-chapter review questions, and hundreds of photographs and illustrations. Learn how to: Work with CPUs, RAM, BIOS, motherboards, power supplies, and other personal computer components Install, configure, and maintain hard drives Manage input devices and removable
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