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Natural Language Processing With Python This book is a perfect beginner's guide to natural language processing. It is offering an easy to understand guide to implementing NLP techniques using Python. Natural language processing has been around for more than fifty years, but just recently with greater amounts of data present and better computational powers, it has gained a greater popularity. Given the importance of data, there is no wonder why natural language processing is on the rise. If you are interested in learning more, this book will serve as your best companion on this journey introducing you to this challenging, yet extremely engaging world of automatic manipulation of our human language. It covers all the basics you need to know before you dive deeper into NLP and solving more complex NLP tasks in Python. Here Is a Preview of What You'll Learn Here... The main challenges of natural language processing The history of natural language processing How natural language processing actually works The main natural language processing applications Text preprocessing and noise removal Feature engineering and syntactic parsing Part of speech tagging and named entity extraction Topic modeling and word embedding Text classification problems Working with text data using NLTK Text summarization and sentiment analysis And much, much more... Get this book NOW and learn more about Natural Language Processing With Python!

An examination of the various types of human-modeled technology, Advances in Applied Human Modeling and Simulation not only covers the type of models available, but how they can be applied to solve specific problems. These models provide a representation of some human aspects that can be inserted into simulations or virtual environments and facilitate prediction of safety, satisfaction, usability, performance, and sustainability. Topics include: Anthropometry and human functional data Biomechanics, occupational safety, comfort and discomfort Biometric authentications Driving safety and human performance Enhancing human capabilities through aids or training Fuzzy systems and neural computing Human behavior and risk assessment modeling Integrating software with humans and systems International cooperation in education and engineering research Intelligent agents in decision training Intelligent data and text mining Machine learning and human factors Modeling physical aspects of work Monitoring systems and human decision Psychophysiological indicators of emotion Resilience engineering and human reliability Scenario-based performance in distributed enterprises Special populations Sustainability, earth sciences and engineering System-of-systems architecting and engineering Verification and validation Virtual interactive design and assessment The math and science provides a foundation for visualizations that can facilitate decision making by technical experts, management or those responsible for public policy. In considering a systems perspective and decisions that affect performance, these models provide opportunities for an expanded role of engineers and HF/E specialists to meet technical challenges worldwide. They can also be used to improve time-to-market, increase safety and ultimately the effectiveness of an organization. The book focuses on applications of these newly developed models and predictive capabilities useful to human factors and ergonomics engineers, cognitive engineers, human computer interaction engineers, human performance modeling engineers, and students in related fields.

Electrical codes, standards, recommended practices and regulations can be complex subjects, yet are essential in both electrical design and life safety issues. This book demystifies their usage. It is a handbook of codes, standards, recommended practices and regulations in the United States involving electrical safety and design. Many engineers and electrical safety professionals may not be aware of all of those documents and their applicability. This book identifies those documents by category, allowing the ready and easy access to the relevant requirements. Because these documents may be updated on a regular basis, this book was written so that its information is not reliant on the latest edition or release of those codes, standards, recommended practices or regulations. No single document on the market today attempts to not only list the majority of relevant electrical design and safety codes, standards, recommended practices and regulations, but also explain their use and updating cycles. This book, one-stop-information-center for electrical engineers, electrical safety professionals, and designers, does. Covers the codes, standards, recommended practices and regulations in the United States involving electrical safety and design, providing a comprehensive reference for engineers and electrical safety professionals Documents are identified by category, enabling easy access to the relevant requirements Not version-specific; information is not reliant on the latest edition or release of the codes, standards, recommended practices or regulations

In this book Ian Sinclair provides the practical knowhow required by technician engineers, systems designers and students. The focus is firmly on understanding the technologies and their different applications, not a mathematical approach. The result is a highly readable text which provides a unique introduction to the selection and application of sensors, transducers and switches, and a grounding in the practicalities of designing with these devices. The devices covered encompass heat, light and motion, environmental sensing, sensing in industrial control, and signal-carrying and non-signal switches. Get up to speed in this key topic through this leading practical guide Understand the range of technologies and applications before specifying Gain a working knowledge with a minimum of maths

For everyone who's ever dreamed of simplifying their life and downsizing their home, Micro Living offers an insider's look at what tiny house living is really like. Best-selling author and tiny house enthusiast Derek "Deek" Diedricksen profiles 40 tiny — but practical — houses that are equipped for full-time living, all in 400 square feet or less. Detailed photography and a floor plan for each structure highlight inventive space-saving design features along with the nuts-and-bolts details of heating, cooling, electric, and plumbing systems. The real-life stories of residents impart the pleasures, as well as the challenges, of day-to-day living. With tips on what to consider before you build, along with framing plans for a prototype small cabin, Micro Living is the perfect starter handbook for both dreamers and doers. This publication conforms to the EPUB Accessibility specification at WCAG 2.0 Level AA. As technology becomes increasingly integrated into our society, cultural expectations and needs are changing. Social understanding, family roles, organizational skills, and daily activities are all adapting to the demands of ever-present technology, causing changes in human brain, emotions, and behaviors. An understanding of the impact of technology upon our lives is essential if we are to adequately educate children for the future and plan for meaningful learning environments for them. Mind, Brain and Technology provides an overview of these changes from a wide variety of perspectives. Designed as a textbook for students in the fields and interdisciplinary areas of psychology, neuroscience, technology, computer science, and education, the book offers insights for researchers, professionals, educators, and anyone interested in learning more about the integration of mind, brain and technology in their lives. The book skilfully guides readers to explore alternatives, generate new ideas, and develop constructive plans both for their own lives and for future educational needs.

Description-The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To make clarity on the topic, diagrams are given extensively throughout the text. Various questions are included that vary widely in type and difficulty to understand the text. This text is user-focused and has been highly updated including topics, pictures and examples. The book features the most current research findings in all aspects of information Security. From successfully implementing technology change to understanding the human factors in IT utilization, these volumes address many of the core concepts and organizational applications, implications of information technology in organizations. Key Features A* Comprehensive coverage of various aspects of cyber security concepts. A* Simple language, crystal clear approach, straight forward comprehensible presentation. A* Adopting user-friendly classroom lecture style. A* The concepts are duly supported by several examples. A* Previous years question papers are also included. A* The important set of questions comprising of more than 90 questions with short answers are also included. Table of Contents: Chapter-1 : Introduction to Information Systems Chapter-2 : Information Security Chapter-3 : Application Security Chapter-4 : Security Threats Chapter-5 : Development of secure Information System Chapter-6 : Security Issues In Hardware Chapter-7 : Security Policies Chapter-8 : Information Security Standards

Quick solutions to frequently asked algorithm and data structure questions. KEY FEATURES ? Learn how to crack the Data structure and Algorithms Code test using the top 75 questions/solutions discussed in the book. ? Refresher on Python data structures and writing clean, actionable python codes. ? Simplified solutions on translating business problems into executable programs and applications. DESCRIPTION Python is the most popular programming language, and hence, there is a huge demand for Python programmers. Even if you have learnt Python or have done projects on AI, you cannot enter the top companies unless you have cleared the Algorithms and data Structure coding test. This book presents 75 most frequently asked coding questions by top companies of the world. It not only focuses on the solution strategy, but also provides you with the working code. This book will equip you with the skills required for developing and analyzing algorithms for various situations. This book teaches you how to measure Time Complexity, it then provides solutions to questions on the Linked list, Stack, Hash table, and Math. Then you can review questions and solutions based on graph theory and application techniques. Towards the end, you will come across coding questions on advanced topics such as Backtracking, Greedy, Divide and Conquer, and Dynamic Programming. After reading this book, you will successfully pass the python interview with high confidence and passion for exploring python in future. WHAT YOU WILL LEARN ? Design an efficient algorithm to solve the problem. ? Learn to use python tricks to make your program competitive. ? Learn to understand and measure time and space complexity. ? Get solutions to questions based on Searching, Sorting, Graphs, DFS, BFS, Backtracking, Dynamic programming. WHO THIS BOOK IS FOR This book will help professionals and beginners clear the Data structures and Algorithms coding test. Basic knowledge of Python and Data Structures is a must. TABLE OF CONTENTS 1. Lists, binary search and strings 2. Linked lists and stacks 3. Hash table and maths 4. Trees and graphs 5. Depth first search 6. Breadth first search 7. Backtracking 8. Greedy and divide and conquer algorithms 9. Dynamic programming

In Afghanistan, all the easy answers are wrong and the best-laid plans don't stand a chance. A tight-knit band of USMC scout-snipers, enraged when one of their number murders another, is hell-bent on seeing justice. They kidnap Zarak Momand, a burnt-out Navy hospital corpsman, and blackmail him to be their guide into Momand land and to find a loophole in nanawatai, the Afghan code of hospitality. They don't tell him their target -- a deserter -- murdered Zarak's estranged baby brother. Zarak has lost touch with his brothers, his heritage, his religion, anything that might inspire true passion. Code-named Zulu and coerced to hunt down a deserter, he must navigate the ambiguities of fourth generation warfare, where there are no front lines and where the moral high ground shifts from situation to situation. In the end, it's just Zulu and Oscar, a sexually compelling cipher who embodies so much of the Pakhtun Way. But is Oscar's rough passion a betrayal between brothers? "Publisher's Note: This book contains explicit sexual content, graphic language, and situations that some readers may find objectionable: male/male sexual practices."

Computer Science: A Concise Introduction covers the fundamentals of computer science. The book describes micro-, mini-, and mainframe computers and their uses; the ranges and types of computers and peripherals currently available; applications to numerical computation; and commercial data processing and industrial control processes. The functions of data preparation, data control, computer operations, applications programming, systems analysis and design, database administration, and network control are also encompassed. The book then discusses batch, on-line, and real-time systems; the basic concepts of computer architecture; and the characteristics of main memory and backing storage. The main characteristics of common types of input, output, and input/output devices used in commercial computer applications and data transmission system are also considered. The book tackles the organization and accessing of serial, sequential, and indexed sequential file; file processing and management; and the concepts and functions of operating systems. The text describes on-line and off-line programming methods as well. Computer science students will find the book useful.

During more than 30 years, as a collaborator with American, European and Latin American electronics magazines (*), has published a large assortment of practical circuits using common parts. In 1999 he included the first selection in a volume published by Prompt Publications in USA. The idea was to proceed with the series, publishing many volumes more. But, Prompt closed his activities and the idea was forgotten although the first volume became a best seller. Now with his own publishing house (NCB Publications) the author returned with the idea of make many volumes more of the series. So, the second volume is here proceeding with the same idea: give simple projects to the experimenters who want learn electronics using common parts and with no need of special knowledge about electronics. So, as in the first volume, many of the projects collected by the author are included in this volume, most of which you can build in one evening. The projects range from fun types through practical types to amusement types. Of course, there are other devices that can be used to teach you something about circuits and components. An important feature of these projects are the ideas to Explore, intended for students looking for projects in science or to use in practical research. This ideal can be complemented by our book Science Fair and Technology Education Projects, also published in English by the author. We can consider this book as a source book of the easiest and fun-to-make of hundreds of projects created and published by the author during his life. (see more about Newton C. Braga in "about the author" in his site).

If you are a developer and you want to completely master Git without heavy theory, this is the book for you. A reasonable knowledge level and basic understanding of Git concepts will get you started with this book.

The book you were waiting for to learn how to program in SQL ! ? 100% Beginners centered How to create a Data Base ? How to create tables ? How to insert, delete, and update data ? What are the SQL Data types and how to caste them ? What are the SQL

operators ? What are the SQL built-in functions ? How to make SQL joins ? What are the SQL statements ? What are the stored procedures ? What are views, triggers ? How to design a Database ? What about data migration, database optimization and deployment ? So don't wait any longer and get this comprehensive guide to start SQL now !

Excel is all about formulas. Think through how to do a calculation once, make sure it is correct, then copy it to other cells and use it as many times as you need to. In this lesson, we go through some of the most popular (and few not so popular) formulas, we review their syntax, how to use them, and we will also learn some other non-formula tricks that will make our Excel files do all the work for us. Some formulas we review are common, some not so common but all of them are explained step-by-step with not technical jargon. Just plain English so everyone (even the math averse) can easily grasp the concepts. There is also a follow along workbook you can download so you can work through the formulas as you read the lesson. All images and exercises were created using Excel 2010 for Windows. Some exercises will appear different in prior versions. Some formulas are not available in Excel 2003.

A college-level music text that develops the student's knowledge of musical instruments, and their function in the orchestra

The quick start guide for an advanced enterprise PowerShell framework About This Book Introduces industry-proven techniques that improve script efficiency and reliability Example-rich guide based on real-world scenarios Facilitates building a script that can fully scan a Windows server and identify components Who This Book Is For This book is for IT professionals and Windows administrators who would like to gain intensive, hands-on knowledge and skills on PowerShell without spending hours and hours in learning. If you have been struggling to find the time to gain proficiency and confidence with PowerShell and everyday scripting tasks What You Will Learn Create an advanced PowerShell scripting template that provides repeatable code to jumpstart all of your scripting projects Learn how to securely encrypt and store usernames, passwords, and other sensitive data in PowerShell scripts and answer files Understand how to optimize the performance of scripts to help process large datasets quickly and avoid time-consuming mistakes Develop a script to scan for non-standard Windows Server configurations and identify service accounts used on Windows Servers Gather a large list of data from a Windows server without locally or remotely logging in interactively In Detail Enterprise PowerShell Scripting Bootcamp explains how to create your own repeatable PowerShell scripting framework. This framework contains script logging methodologies, answer file interactions, and string encryption and decryption strategies. This book focuses on evaluating individual components to identify the system's function, role, and unique characteristics. To do this, you will leverage built-in CMDlets and Windows Management Instrumentation (WMI) to explore Windows services, Windows processes, Windows features, scheduled tasks, and disk statistics. You will also create custom functions to perform a deep search for specific strings in files and evaluate installed software through executable properties. We will then discuss different scripting techniques to improve the efficiency of scripts. By leveraging several small changes to your code, you can increase the execution performance by over 130%. By the end of this book, you will be able to tie all of the concepts together in a PowerShell-based Windows server scanning script. This discovery script will be able to scan a Windows server to identify a multitude of components. Style and approach This book is all about fast and intensive learning. This means, we don't waste time in helping readers get started. The new content is about leveraging highly-effective examples to build new things, help solving problems in newer and unseen ways, and providing an enterprise-ready platform to create PowerShell Scripts.

Personal Experience Interview (PEI) is the most underestimated part of the whole recruiting process at any of the top consulting firms, making up ~50% of the candidate's overall evaluation. Proper preparation can make all the difference when it comes to interviews. This book collects a treasure trove of tips and tricks that will ensure you will have everything you need to look and act your best and get the job you are targeting. It just takes a little preparation on your part based on the provided information and you'll be able to ace any interview. You will find a list of preparation facts and tips to help you answer PEI questions and impress your interviewer. Besides, you will get to know about common mistakes you can avoid if you keep a level head on your shoulders. Also, you'll discover detailed instructions on how to answer TOP 28 PEI questions, focused on five key themes: - Leading others; - Managing a team conflict; - Managing a personal conflict; - Influencing others; - Overcoming challenges. Know how to stand out from the crowd of job applicants! Read it thoroughly and become closer to your target!

Over the past decade, integrated STEM education research has emerged as an international concern, creating around it an imperative for technological and disciplinary innovation and a global resurgence of interest in teaching and learning to code at the K-16 levels. At the same time, issues of democratization, equity, power and access, including recent decolonizing efforts in public education, are also beginning to be acknowledged as legitimate issues in STEM education. Taking a reflexive approach to the intersection of these concerns, this book presents a collection of papers making new theoretical advances addressing two broad themes: Transdisciplinary Approaches in STEM Education and Bodies, Hegemony and Decolonization in STEM Education. Within each theme, praxis is of central concern including analyses of teaching and learning that re-imagines disciplinary boundaries and domains, the relationship between Art and STEM, and the design of learning technologies, spaces and environments. In addition to graduate research seminars at the Masters and PhD levels in Learning Sciences, Science Education, Educational Technology and STEM education, this book could also serve as a textbook for graduate and pre-service teacher education courses.

In this book I give you my honest views on the good and dark sides of Windows 11. There are more features, issues, hacks and tricks hiding in Windows 11 than most people will ever know. I unveiled some of them in this book. I've been a Windows user for over 20 years, and after further exploring two early builds of Windows 11, at first I had to admit that it looks rather nice, and is better than Windows 10. But I soon discovered there's a lot more than meets the eye. So I strongly advise you read this book first to help you decide if you should install or upgrade your OS to Windows 11. These

are some of what you'll learn in this book: The new features and major changes since the Windows 11 insider preview was released. Why Microsoft's system health-check application, and the hardware constraints they plan to include in Windows 11 are shameful, and how they can affect your system and you. Why I suspect the rollout of Windows 11 will be relatively slow, and why it will take quite a long time before lots of people start using it. Apps experiencing troubles with Windows 11 and why Microsoft is unable to find a fix. 8 Windows 11 troubles Microsoft is currently investigating The Microsoft's policy and how it will affect Windows 11 users when Windows 10 support ends on October 14th, 2025. How to quickly and reliably check if your system can run Windows 11. Two methods to install Windows 11 step by step (for Windows and Linux-based systems with backup and restore options for programs and files). A work around to install Windows 11 on non-supported hardware. How to dual boot your PC with Windows 11 and 10 step by step. And so much more...

It is easy to dream up mobile app ideas, but very difficult to uncover and select apps that will provide the most value to your business. The Billion Dollar Apps (BDA) process will help your business identify the mobile app concepts capable of producing the highest Return on App (ROA) in the least amount of time.

Key Features * Provides a forum for discussion of new discoveries, approaches, and ideas in molecular biology * Contributions from leaders in their fields * Abundantly referenced

Using circuit diagrams, PCB layouts, parts lists and clear construction and installation details, this book provides everything someone with a basic knowledge of electronics needs to know in order to put that knowledge into practice. This latest collection of Maplin projects are a variety of power supply projects, the necessary components for which are readily available from the Maplin catalogue or any of their high street shops. Projects include, laboratory power supply projects for which there are a wide range of applications for the hobbyist, from servicing portable audio and video equipment to charging batteries; and miscellaneous projects such as a split charge unit for use in cars or similar vehicles when an auxiliary battery is used to power 12v accessories in a caravan or trailer. Both useful and innovative, these projects are above all practical and affordable.

Advances in Applied Human Modeling and SimulationCRC Press

Kaplan's New York City SHSAT Prep 2020 & 2021 provides the most up-to-date content to help you succeed on the Specialized High Schools Admissions Test (SHSAT). Our realistic practice tests, updated content review, and expert test-taking strategies will help you face the SHSAT with confidence. The Best Review All content is up-to-date for the most recent test changes Now 3 full-length practice tests with detailed answer explanations for every question New infographics content, plus expanded poetry and fiction sections Updated math and reading comprehension sections Updated math content aligned with the SHSAT's shift to include only 7th-grade Proven score-raising strategies with emphasis on improving math and verbal skills Expert Guidance Kaplan's experts make sure our practice questions and study materials are true to the test. We invented test prep—Kaplan (www.kaptest.com) has been helping students for 80 years, and 9 out of 10 Kaplan students get into one or more of their top-choice colleges. Our proven strategies have helped legions of students achieve their dreams. Our guide to the SHSAT can help eighth- and ninth-grade NYC students gain admission to a specialized high school such as Stuyvesant High School; Bronx High School of Science; Brooklyn Technical High School; Brooklyn Latin School; High School for Math, Science, and Engineering at City College; High School of American Studies at Lehman College; Queens High School for the Sciences at York College; or Staten Island Technical High School.

If you are a Python programmer or a security researcher who has basic knowledge of Python programming and want to learn about penetration testing with the help of Python, this book is ideal for you. Even if you are new to the field of ethical hacking, this book can help you find the vulnerabilities in your system so that you are ready to tackle any kind of attack or intrusion.

This book collects the best practices FPGA-based Prototyping of SoC and ASIC devices into one place for the first time, drawing upon not only the authors' own knowledge but also from leading practitioners worldwide in order to present a snapshot of best practices today and possibilities for the future. The book is organized into chapters which appear in the same order as the tasks and decisions which are performed during an FPGA-based prototyping project. We start by analyzing the challenges and benefits of FPGA-based Prototyping and how they compare to other prototyping methods. We present the current state of the available FPGA technology and tools and how to get started on a project. The FPMM also compares between home-made and outsourced FPGA platforms and how to analyze which will best meet the needs of a given project. The central chapters deal with implementing an SoC design in FPGA technology including clocking, conversion of memory, partitioning, multiplexing and handling IP amongst many other subjects. The important subject of bringing up the design on the FPGA boards is covered next, including the introduction of the real design into the board, running embedded software upon it in and debugging and iterating in a lab environment. Finally we explore how the FPGA-based Prototype can be linked into other verification methodologies, including RTL simulation and virtual models in SystemC. Along the way, the reader will discover that an adoption of FPGA-based Prototyping from the beginning of a project, and an approach we call Design-for-Prototyping, will greatly increase the success of the prototype and the whole SoC project, especially the embedded software portion. Design-for-Prototyping is introduced and explained and promoted as a manifesto for better SoC design. Readers can approach the subjects from a number of directions. Some will be experienced with many of the tasks involved in FPGA-based Prototyping but are looking for new insights and ideas; others will be relatively new to the subject but experienced in other verification methodologies; still others may be project leaders who need to understand if and how the benefits of FPGA-based prototyping apply to their next SoC project. We have tried to make each subject chapter relatively standalone, or where necessary, make numerous forward and backward references between subjects, and provide recaps of certain key subjects. We hope you like the book and

we look forward to seeing you on the FPMM on-line community soon (go to www.synopsys.com/fpmm).

Provides readers with tips, techniques, and strategies for Minecraft, including how to understand biomes, explore and trade in villages, mine redstone, and survive hunger through farming and mining.

Power Electronics: Drive Technology and Motion Control explores the principles and practices of power electronics, emphasizing drive technology and motion control. The book covers the fundamentals of electric machine transformers, drive systems, electric traction and renewable energy in an e-Mobility chapter. Supported with illustrations and worked examples, the book covers theory, real life applications, and practical/industrial applications of power electronic drive technology and motion control. This book is intended for engineers, researchers and students who are interested in advanced control of power converters and control specialists who like to explore new applications of control theory.

Electronic power control is a coupling of electronic technology and applications from power engineering which rely on one another to provide cleaner electrical power, increased speed, reliability of power and accurate and efficient control of power. Includes illustrated diagrams to cover up-to-date industry applications Features in-depth worked examples to enhance understanding of power electronics theory and related practical applications Covers the fundamentals of electric machine transformers, drive systems, electric traction and renewable energy in an e-Mobility chapter

Papers presented at the August 1996 HICS (title) symposium, held in Dayton, Ohio. Subjects covered include: dialog design for interactive system, aerospace systems, coordination and control in virtual workspaces, performance and simulation of complex dynamic systems, managing complex medical systems

This 6x9 inch 110 page matte cover lined notebook/journal is the perfect vacation gift for coworkers, family or friends. A great gift idea for any anyone about to embark on their holidays.

Students' Guide to Information Technology, Second Edition provides up-to-date coverage of significant developments in information technology, including office automation, telecommunications, expert systems, computer-aided manufacture, and computer-based training. The book first offers information on computers and computer peripherals and applications. Discussions focus on how a microprocessor handles information, microprocessors and logic, neural networks, digital signal processors, processing speeds, computer memory, monitors, printers, and input and storage devices. The manuscript then surveys computer software and technical convergence. Topics cover analogue and digital information, audio and video systems, technological convergence in audio systems, compact disc for multimedia applications, interactive video, programming languages, operating software, operating system commands, application software, and software reliability. The publication tackles the role of information technology in manufacturing and in the office, communications, and information systems. Concerns include electronic data interchange, computer-aided design, data processing systems, office automation systems, and dataflow diagrams. The manuscript is a dependable source of data for computer science experts and researchers interested in information technology.

With contributions from an international group of authors with diverse backgrounds, this set comprises all fourteen volumes of the proceedings of the 4th AHFE Conference 21-25 July 2012. The set presents the latest research on current issues in Human Factors and Ergonomics. It draws from an international panel that examines cross-cultural differences, design issues, usability, road and rail transportation, aviation, modeling and simulation, and healthcare.

In Sketching User Experiences: The Workbook, you will learn, through step-by-step instructions and exercises, various sketching methods that will let you express your design ideas about user experiences across time. Collectively, these methods will be your sketching repertoire: a toolkit where you can choose the method most appropriate for developing your ideas, which will help you cultivate a culture of experience-based design and critique in your workplace. Features standalone modules detailing methods and exercises for practitioners who want to learn and develop their sketching skills Extremely practical, with illustrated examples detailing all steps on how to do a method Excellent for individual learning, for classrooms, and for a team that wants to develop a culture of design practice Perfect complement to Buxton's Sketching User Experience or any UX text

Multilevel Inverters: Conventional and Emerging Topologies and Their Control is written with two primary objectives: (a) explanation of fundamentals of multilevel inverters (MLIs) with reference to the general philosophy of power electronics; and (b) enabling the reader to systematically analyze a given topology with the possibility of contributing towards the ongoing evolution of topologies. The authors also present an updated status of current research in the field of MLIs with an emphasis on the evolution of newer topologies. In addition, the work includes a universal control scheme, with which any given topology can be modulated. Extensive qualitative and quantitative evaluations of emerging topologies give researchers and industry professionals suitable solutions for specific applications with a systematic presentation of software-based modeling and simulation, and an exploration of key issues. Topics covered also include power distribution among sources, voltage balancing, optimization switching frequency and asymmetric source configuration. This valuable reference further provides tools to model and simulate conventional and emerging topologies using MATLAB®/Simulink® and discusses execution of experimental set-up using popular interfacing tools. The book includes a Foreword by Dr. Frede Blaabjerg, Fellow IEEE, Professor and VILLUM Investigator, Aalborg University, Denmark. Includes a universal control scheme to help the reader learn the control of existing topologies and those which can be proposed in the future Presents three new topologies. Systematic development of these topologies and subsequent simulation and experimental studies exemplify an approach to the development of newer topologies and verification of their working and experimental verification. Contains a systematic and step-by-step approach to modelling and simulating various topologies designed to effectively employ low-power applications

What "Kubernetes" does and how? After working in the technology and consulting ecosystem for the last 10 years, I am a huge supporter of simplification. While I understood the whole concept of Containerization and automating the deployment, I wanted to explain the bunch of newly recruited Technology Consultants in our team that how actually it's used and deployed. So, the logical topics to be explained with examples were: The Background of it? Why we needed this system in first place? How Kubernetes Operates? The Nuts and Bolts of the system. How it is deployed? Best Practices If these things are clear with examples then we can operate with confidence and manage the project well. So, here it is. All our discussions are formulated in a book to help you people to take your respective agenda ahead in your current role with conviction. The book has been written in a simple, easy to comprehend language and can be used by Non-Programmers, Project Managers, Business Consultants or any other persons with an interest in Kubernetes. So, move ahead with your Continuous Development journey with this new book and as I mentioned

earlier: let's simplify the discussions around!

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