

Ge Est Quickstart Programming Manual

Recognizing the quirk ways to get this ebook **Ge Est Quickstart Programming Manual** is additionally useful. You have remained in right site to start getting this info. acquire the Ge Est Quickstart Programming Manual connect that we give here and check out the link.

You could purchase lead Ge Est Quickstart Programming Manual or get it as soon as feasible. You could quickly download this Ge Est Quickstart Programming Manual after getting deal. So, following you require the ebook swiftly, you can straight acquire it. Its for that reason totally simple and in view of that fats, isnt it? You have to favor to in this ventilate

Mastering Regular Expressions - Jeffrey E. F. Friedl 2002

Introduces regular expressions and how they are used, discussing topics including metacharacters, nomenclature, matching and modifying text, expression processing, benchmarking, optimizations, and loops.

Mining Graph Data - Diane J. Cook 2006-12-18

This text takes a focused and comprehensive look at mining data represented as a graph, with the latest findings and applications in both theory and practice provided. Even if you have minimal background in analyzing graph data, with this book you'll be able to represent data as graphs, extract patterns and concepts from the data, and apply the methodologies presented in the text to real datasets. There is a misprint with the link to the accompanying Web page for this book. For those readers who would like to experiment with the techniques found in this book or test their own ideas on graph data, the Web page for the book should be <http://www.eecs.wsu.edu/MGD>.

[Advances in Security, Networks, and Internet of Things](#) - Kevin Daimi 2021-07-10

The book presents the proceedings of four conferences: The 19th International Conference on Security & Management (SAM'20), The 19th International Conference on Wireless Networks (ICWN'20), The 21st International Conference on Internet Computing & Internet of Things (ICOMP'20), and The 18th International Conference on Embedded

Systems, Cyber-physical Systems (ESCS'20). The conferences took place in Las Vegas, NV, USA, July 27-30, 2020. The conferences are part of the larger 2020 World Congress in Computer Science, Computer Engineering, & Applied Computing (CSCE'20), which features 20 major tracks. Authors include academics, researchers, professionals, and students. Presents the proceedings of four conferences as part of the 2020 World Congress in Computer Science, Computer Engineering, & Applied Computing (CSCE'20); Includes the tracks on security & management, wireless networks, internet computing and IoT, and embedded systems as well as cyber-physical systems; Features papers from SAM'20, ICWN'20, ICOMP'20 and ESCS'20.

Beginning Software Engineering - Rod Stephens 2015-03-02

A complete introduction to building robust and reliable software. *Beginning Software Engineering* demystifies the software engineering methodologies and techniques that professional developers use to design and build robust, efficient, and consistently reliable software. Free of jargon and assuming no previous programming, development, or management experience, this accessible guide explains important concepts and techniques that can be applied to any programming language. Each chapter ends with exercises that let you test your understanding and help you elaborate on the chapter's main concepts. Everything you need to understand waterfall, Sashimi, agile, RAD,

Scrum, Kanban, Extreme Programming, and many other development models is inside! Describes in plain English what software engineering is Explains the roles and responsibilities of team members working on a software engineering project Outlines key phases that any software engineering effort must handle to produce applications that are powerful and dependable Details the most popular software development methodologies and explains the different ways they handle critical development tasks Incorporates exercises that expand upon each chapter's main ideas Includes an extensive glossary of software engineering terms

Java Cookbook - Ian F. Darwin 2014-06-25

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging Manipulating, comparing, and rearranging text Regular expressions for string- and pattern-matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Directory and filesystem operations Working with graphics, audio, and video GUI development, including JavaFX and handlers Network programming on both client and server Database access, using JPA, Hibernate, and JDBC Processing JSON and XML for data storage Multithreading and concurrency

The Virtualization Cookbook for IBM z Systems Volume 4: Ubuntu Server 16.04 - Lydia Parziale 2016-09-23

This IBM® Redbooks® publication is Volume 4 of a series of books entitled The Virtualization Cookbook for IBM z Systems. The other

volumes in the series are: The Virtualization Cookbook for IBM z Systems Volume 1: IBM z/VM 6.3, SG24-8147 The Virtualization Cookbook for IBM z Systems Volume 2: Red Hat Enterprise Linux 7.1 Servers, SG24-8303 The Virtualization Cookbook for IBM z Systems Volume 3: SUSE Linux Enterprise Server 12, SG24-8890 It is advised that you start with Volume 1 of this series, because the IBM z/VM® Hypervisor is the foundation for installing Linux on IBM z™ Systems.

Sage for Undergraduates - Gregory V. Bard 2015-02-16

As the open-source and free competitor to expensive software like Maple™, Mathematica®, Magma, and MATLAB®, Sage offers anyone with access to a web browser the ability to use cutting-edge mathematical software and display his or her results for others, often with stunning graphics. This book is a gentle introduction to Sage for undergraduate students toward the end of Calculus II (single-variable integral calculus) or higher-level course work such as Multivariate Calculus, Differential Equations, Linear Algebra, or Math Modeling. The book assumes no background in computer science, but the reader who finishes the book will have learned about half of a first semester Computer Science I course, including large parts of the Python programming language. The audience of the book is not only math majors, but also physics, engineering, finance, statistics, chemistry, and computer science majors.

IBM Systems Director 6.3 Best Practices - Rufus Credle 2013-11-08
This IBM® Redbooks® publication describes the positioning of the IBM Systems Director in the complete management range. It also compares the IBM Systems Director with the IBM Flex Systems Manager (FSM) and describes the environments for which each tool is best suited. This publication helps you plan, install, tailor, and configure the IBM Systems Director on different platforms. It contains information about required system resources and which network ports are used. It shows how to use the Workload Estimator to select the appropriate hardware for IBM Systems Director server and provides information about the IBM Systems Director Editions. Best practices are covered for the basic management tasks that are available in IBM Systems Director, including

how to perform discovery; how to collect inventory on discovered resources; how to deploy agent, driver, and firmware updates; how to manage hardware events; and other miscellaneous tasks. An overview of best practices is provided for using IBM Systems Director VMControl™. Systems Director VMControl is a cross-platform product that assists you in rapidly deploying virtual appliances to create virtual servers that are configured with the operating system and software applications that you want. It also enables you to group resources into system pools, which enable you to centrally manage and control the different workloads in your environment. The following plug-in offerings are described: Energy monitoring and management features offered by IBM Systems Director Active Energy Manager™ along with the best practice, which needs to be followed in using the IBM Systems Director Active Energy Manager. The IBM AIX® Profile Manager is a tool that can help implement and monitor the security of all AIX servers in a production environment but also implement and monitor the system compliance of those AIX servers. Best practices and the most important questions to ask before creating Workload Partition Manager (WPAR) and WPAR Manager infrastructure. In addition, how you can manage and relocate WPARs using WPAR Manager graphical interface and the command-line interface. Network Control basic functionalities and how to plan for Network Control deployments and also a number of common scenarios with best practices. The IBM Systems Director Service and Support Manager describes how to set up and how to handle serviceable events. Best practices for the Storage Monitoring and Management capabilities offered by IBM Systems Director server. This book is for IBM IT specialists and IT architects, IBM Business Partners, and clients, who are utilizing or considering implementing IBM Systems Director.

MINDFULNESS FOR BEGINNERS. - JON. KABAT ZINN 2017

The Brain Warrior's Way Cookbook - Tana Amen BSN, RN 2016-11-22
Feed your body and your brain with this healthy cookbook from the authors of The Brain Warrior's Way. In The Brain Warrior's Way, New York Times bestselling authors Tana and Daniel Amen share how to

develop mastery over brain and body to combat disease, depression, and obesity. In this companion cookbook, not only will you find more than a hundred simple, delicious recipes that support the principles of The Brain Warrior's Way to heal and optimize your brain, but you will also learn how to:

- Purge your pantry of toxins and processed foods.
- Stock up on inexpensive, whole-food Brain Warrior Basics that you can find at your local grocery store.
- Cook with techniques that ensure the maximum nutrition and best taste from each recipe.
- Plan holiday meals so you don't have to "cheat" on your diet to enjoy bountiful family dinners on special occasions.
- Use spices to improve your health in simple, tasty ways.
- Pack grab-and-go snacks for healthy eating on the run.
- Teach your kids—even the picky eaters and moody teens—how to have fun being a Junior Brain Warrior.

An essential resource for Brain Warriors who want to fuel their bodies with foods that boost energy, focus, memory, and quality of life, this cookbook is the ultimate tool for winning the fight in the war for your health.

Eat for Life - Joel Fuhrman, M.D. 2020-03-03

NEW YORK TIMES BESTSELLER As Featured on PBS How to stay healthy and boost immunity with #1 New York Times bestselling author Dr. Joel Fuhrman's no-nonsense, results-driven nutrition plan. As a family physician for over 30 years and #1 New York Times bestselling author Joel Fuhrman, M.D. will tell you that doctors and medications cannot grant you excellent health or protection from disease and suffering. The most effective health-care is proper self-care and that starts with changing the way we eat. Eat for Life delivers a science-backed nutrition-based program that prevents and even reverses most medical problems within three to six months. This is a bold claim but the science and the tens of thousands who have tried this approach back it up. The truth is: you simply do not have to be sick. Most Americans are deficient in the vitamins, minerals and phytonutrients found in plants (micronutrients), and consume too many fats, proteins, carbohydrates (macronutrients). The results of this standard diet is that we are not only shortening our lives but damaging our energy, vitality, and daily health by eating packaged and processed foods, excessive meat and dairy, and

unsustainable amounts of salt and sugar. What we need is to consume foods rich in phytonutrients such as greens, beans, onions, mushrooms, berries, and seeds. These delicious and abundant foods contain the largest assortment of micronutrients and when consumed in adequate quantities they prevent and reverse diabetes and heart-disease, lower cholesterol and blood pressure, and reduce hunger and food cravings. Rooted in the latest nutritional science and complete with recipes, menu plans, and testimonials, Eat for Life offers everything you need to change the course of your health and put this life-changing program to work for you.

Data Mining Applications with R - Yanchang Zhao 2013-11-26

Data Mining Applications with R is a great resource for researchers and professionals to understand the wide use of R, a free software environment for statistical computing and graphics, in solving different problems in industry. R is widely used in leveraging data mining techniques across many different industries, including government, finance, insurance, medicine, scientific research and more. This book presents 15 different real-world case studies illustrating various techniques in rapidly growing areas. It is an ideal companion for data mining researchers in academia and industry looking for ways to turn this versatile software into a powerful analytic tool. R code, Data and color figures for the book are provided at the RDataMining.com website. Helps data miners to learn to use R in their specific area of work and see how R can apply in different industries Presents various case studies in real-world applications, which will help readers to apply the techniques in their work Provides code examples and sample data for readers to easily learn the techniques by running the code by themselves

The Debian Administrator's Handbook - Raphaël Hertzog 2015-10-21

Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of

derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time.

Learn more about the book on its official website: debian-handbook.info

jQuery and jQuery UI - Jay Blanchard 2012-12-03

jQuery is a popular JavaScript library that simplifies event handling, animating, and Ajax interactions for rapid web development. Even casual web designers, who create web pages for fun, want to add the latest cool effects to their sites, and jQuery--the fast, flexible JavaScript library--is a tool of choice. From visual effects, special controls, and Ajax made easy, the jQuery Visual QuickStart Guide will teach readers how to make the most of jQuery using the task-based, step-by-step, visual format they love. It's crammed with examples and there's a special section on widgets. Includes eBook and Video Access In addition to concise, step-by-step explanations of core tools and tasks, with plenty of helpful screen shots to keep you on track as you work, jQuery: Visual QuickStart Guide includes an hour-long HD video and eBook. In addition to reading about how to use the tool, you can watch it in action. You can also download digital versions of this book to load on the mobile device of your choice so that you can continue learning whenever and wherever you are. We provide you with ePub, PDF, and Mobi eBook formats to ensure that you

get the experience that best suits your viewing needs.

Hardening Linux - James Turnbull 2006-11-01

*Imparts good security doctrine, methodology, and strategies *Each application-focused chapter will be able to be used as a stand-alone HOW-TO for that particular application. *Offers users a selection of resources (websites, mailing lists, and books) to further their knowledge.

National Electrical Code - National Fire Protection Association 2010

Safe, efficient, code-compliant electrical installations are made simple with the latest publication of this widely popular resource. Like its highly successful previous editions, the National Electrical Code 2011 spiral bound version combines solid, thorough, research-based content with the tools you need to build an in-depth understanding of the most important topics. New to the 2011 edition are articles including first-time Article 399 on Outdoor, Overhead Conductors with over 600 volts, first-time Article 694 on Small Wind Electric Systems, first-time Article 840 on Premises Powered Broadband Communications Systems, and more. This spiralbound version allows users to open the code to a certain page and easily keep the book open while referencing that page. The National Electrical Code is adopted in all 50 states, and is an essential reference for those in or entering careers in electrical design, installation, inspection, and safety.

Natural Language Processing with SAS - 2020-08-31

Natural Language Processing (NLP) is a branch of artificial intelligence that helps computers understand, interpret, and emulate written or spoken human language. NLP draws from many disciplines including human-generated linguistic rules, machine learning, and deep learning to fill the gap between human communication and machine understanding. The papers included in this special collection demonstrate how NLP can be used to scale the human act of reading, organizing, and quantifying text data.

Eat to Live - Joel Fuhrman 2011-01-05

The healthy diet plan that's become a million-copy word-of-mouth bestseller -- now completely revised and updated. Hailed a "medical breakthrough" by Dr. Mehmet Oz, Eat to Live offers a highly effective,

scientifically proven way to lose weight quickly. The key to Dr. Joel Fuhrman's revolutionary six-week plan is simple: health = nutrients / calories. When the ratio of nutrients to calories in the food you eat is high, you lose weight. The more nutrient-dense food you eat, the less you crave fat, sweets, and high-caloric foods. Eat to Live has been revised to include inspiring success stories from people who have used the program to lose shocking amounts of weight and recover from life-threatening illnesses; Dr. Fuhrman's nutrient density index; up-to-date scientific research supporting the principles behind Dr. Fuhrman's plan; new recipes and meal ideas; and much more. This easy-to-follow, nutritionally sound diet can help anyone shed pounds quickly-and keep them off.

Digital Papyrology I - Nicola Reggiani 2017-09-11

Since the very beginnings of the digital humanities, Papyrology has been in the vanguard of the application of information technologies to its own scientific purposes, for both theoretical and practical reasons (the strong awareness towards the problems of human memory and the material ways of preserving it; the need to work with a multifarious and overwhelming amount of different data). After more than thirty years of development, we have now at our disposal the most advanced tools to make papyrological studies more and more effective, and even to create a new conception of "papyrology" and a new model of "edition" of the ancient documents. At this turning point, it is important to build an epistemological framework including all the different expressions of Digital Papyrology, to trace a historical sketch setting the background of the contemporary tools, and to provide a clear overview of the current theoretical and technological trends, so that all the possibilities currently available can be exploited following uniform pathways. The volume represents an innovative attempt to deal with such topics, usually relegated into very quick and general treatments within journal articles or papyrological handbooks.

Dr. Dobb's Journal - 1993

FOA Reference Guide to Fiber Optics - Jim Hayes 2009-09-04

Updated February 2014 This book is an guide to the design and

installation of outside plant fiber optic cabling networks. It was written as a reference book for instructors and students in classes aimed at FOA CFOT and CFOS/O OSP specialist certification as well as a reference for anyone working in the field. This book offers expansive coverage on the components and processes of fiber optics as used in all outside plant applications and installation practices. Underground, buried, aerial and submarine/underwater installations are covered in detail as is specialized testing for extreme long distance networks. Fiber to the home is given special treatment in an appendix where these new generation networks are described in detail. Complete OSP curriculum materials are available from FOA.

The Hitchhiker's Guide to Python - Kenneth Reitz 2016-08-30

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

Towards Bayesian Model-Based Demography - Jakub Bijak 2022

This open access book presents a ground-breaking approach to developing micro-foundations for demography and migration studies. It offers a unique and novel methodology for creating empirically grounded agent-based models of international migration - one of the most uncertain population processes and a top-priority policy area. The book discusses in detail the process of building a simulation model of migration, based on a population of intelligent, cognitive agents, their networks and institutions, all interacting with one another. The proposed model-based approach integrates behavioural and social theory with formal modelling, by embedding the interdisciplinary modelling process within a wider inductive framework based on the Bayesian statistical

reasoning. Principles of uncertainty quantification are used to devise innovative computer-based simulations, and to learn about modelling the simulated individuals and the way they make decisions. The identified knowledge gaps are subsequently filled with information from dedicated laboratory experiments on cognitive aspects of human decision-making under uncertainty. In this way, the models are built iteratively, from the bottom up, filling an important epistemological gap in migration studies, and social sciences more broadly.

The Reality of Prayer - Edward McKendree Bounds 2020-03-09

The Reality of Prayer is a message of meditation based on the Bible and written by Edward McKendree Bounds (August 15, 1835 - August 24, 1913) prominently known as E.M. Bounds, was an American author, attorney, and member of the Methodist Episcopal Church South clergy. He is known for writing 11 books, nine of which focused on the subject of prayer. Only two of Bounds' books were published before he died. After his death, Rev. Claudius (Claude) Lysias Chilton, Jr., grandson of William Parish Chilton and admirer of Bounds, worked on preserving and preparing Bounds' collection of manuscripts for publication. By 1921, Homer W. Hodge completed additional editorial work. Edward McKendree Bounds was born on August 15, 1835, in Shelbyville, Missouri. He is the son of Thomas Jefferson and Hester A. (née Purnell) Bounds. In the preface to E.M. Bounds on Prayer, published by Hendrickson Christian Classics Series over 90 years after Bounds' death, it is surmised that young Edward was named after the evangelist, William McKendree, who planted churches in western Missouri and served as the fourth bishop of the Methodist Episcopal Church. He was the fifth child, in a family of three sons and three daughters.

Linux in a Nutshell - Ellen Siever 2005

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable,

stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions.

Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

PHP for the Web - Larry Ullman 2011-03-09

With PHP for the World Wide Web, Fourth Edition: Visual QuickStart Guide, readers can start from the beginning to get a tour of the programming language, or look up specific tasks to learn just what they need to know. This task-based visual reference guide uses step-by-step instructions and plenty of screenshots to teach beginning and intermediate users this popular open-source scripting language. Leading technology author Larry Ullman guides readers through the latest developments including use and awareness of HTML5 with PHP. Other

addressed changes include removal of outdated functions and more efficient ways to tackle common needs. Both beginning users, who want a thorough introduction to the technology, and more intermediate users, who are looking for a convenient reference, will find what they need here--in straightforward language and through readily accessible examples.

Exploring Zynq Mpsoc - Louise H Crockett 2019-04-11

This book introduces the Zynq MPSoC (Multi-Processor System-on-Chip), an embedded device from Xilinx. The Zynq MPSoC combines a sophisticated processing system that includes ARM Cortex-A53 applications and ARM Cortex-R5 real-time processors, with FPGA programmable logic. As well as guiding the reader through the architecture of the device, design tools and methods are also covered in detail: both the conventional hardware/software co-design approach, and the newer software-defined methodology using Xilinx's SDx development environment. Featured aspects of Zynq MPSoC design include hardware and software development, multiprocessing, safety, security and platform management, and system booting. There are also special features on PYNQ, the Python-based framework for Zynq devices, and machine learning applications. This book should serve as a useful guide for those working with Zynq MPSoC, and equally as a reference for technical managers wishing to gain familiarity with the device and its associated design methodologies.

VCP-DCV Official Cert Guide - John Davis 2020-06-20

VCP-DCV Official Cert Guide, Fourth Edition helps you systematically prepare for your VCP-DCV 2019 exam by mastering all key exam objectives associated with vSphere v.6.7. Thoroughly updated for VMware's 2019 exam changes, it offers an exceptionally well-organized and efficient test-preparation system based on proven series elements and techniques. Chapter-opening Do I Know This Already? quizzes help you decide how much time you need to spend on each section, exam topic lists make referencing easy, and chapter-ending Exam Preparation Tasks help you drill on the key concepts you must know thoroughly. The companion website contains a powerful Pearson IT Certification Practice

Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Leading VMware consultants, trainers, and data center experts John A. Davis, Steve Baca, and Owen Thomas share preparation hints and test-taking tips, helping you identify areas of weakness and improve conceptual knowledge and hands-on skills. Material is presented concisely, focusing on promoting understanding and retention. Coverage includes: vSphere prerequisites Storage and network infrastructure (physical and virtual) vCenter Server features Clusters and virtual machines VMware product integration High availability solutions Securing vSphere Planning and performing vSphere installations Configuring vSphere (SSO and Virtual Networking) Monitoring resources VM configuration and performance Managing networking, storage, security, clusters, resources, vCenter Server, and VMs Well regarded for its detail, assessment features, comprehensive scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time.

Introducing Microsoft Power BI - Alberto Ferrari 2016-07-07

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Introducing Microsoft Power BI enables you to evaluate when and how to use Power BI. Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features of this environment. Be sure to watch for the publication of Alberto Ferrari and Marco Russo's upcoming retail book, *Analyzing Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details:<http://aka.ms/analyzingdata/details>. Learn more about Power BI at <https://powerbi.microsoft.com/>.

bookdown - Yihui Xie 2016-12-12

bookdown: Authoring Books and Technical Documents with R Markdown

presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

[Python for Unix and Linux System Administration](#) - Noah Gift 2008-08-22

Python is an ideal language for solving problems, especially in Linux and Unix networks. With this pragmatic book, administrators can review various tasks that often occur in the management of these systems, and learn how Python can provide a more efficient and less painful way to handle them. Each chapter in *Python for Unix and Linux System Administration* presents a particular administrative issue, such as concurrency or data backup, and presents Python solutions through hands-on examples. Once you finish this book, you'll be able to develop your own set of command-line utilities with Python to tackle a wide range of problems. Discover how this language can help you: Read text files and extract information Run tasks concurrently using the threading and forking options Get information from one process to another using

network facilities Create clickable GUIs to handle large and complex utilities Monitor large clusters of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing into your infrastructure, and learn to write a Google App Engine Application Solve unique data backup challenges with customized scripts Interact with MySQL, SQLite, Oracle, Postgres, Django ORM, and SQLAlchemy With this book, you'll learn how to package and deploy your Python applications and libraries, and write code that runs equally well on multiple Unix platforms. You'll also learn about several Python-related technologies that will make your life much easier.

Empires of the Silk Road - Christopher I. Beckwith 2009-03-16

The first complete history of Central Eurasia from ancient times to the present day, *Empires of the Silk Road* represents a fundamental rethinking of the origins, history, and significance of this major world region. Christopher Beckwith describes the rise and fall of the great Central Eurasian empires, including those of the Scythians, Attila the Hun, the Turks and Tibetans, and Genghis Khan and the Mongols. In addition, he explains why the heartland of Central Eurasia led the world economically, scientifically, and artistically for many centuries despite invasions by Persians, Greeks, Arabs, Chinese, and others. In retelling the story of the Old World from the perspective of Central Eurasia, Beckwith provides a new understanding of the internal and external dynamics of the Central Eurasian states and shows how their people repeatedly revolutionized Eurasian civilization. Beckwith recounts the Indo-Europeans' migration out of Central Eurasia, their mixture with local peoples, and the resulting development of the Graeco-Roman, Persian, Indian, and Chinese civilizations; he details the basis for the thriving economy of premodern Central Eurasia, the economy's disintegration following the region's partition by the Chinese and Russians in the eighteenth and nineteenth centuries, and the damaging of Central Eurasian culture by Modernism; and he discusses the significance for world history of the partial reemergence of Central Eurasian nations after the collapse of the Soviet Union. *Empires of the*

Silk Road places Central Eurasia within a world historical framework and demonstrates why the region is central to understanding the history of civilization.

Software Evolution - Tom Mens 2008-01-25

This book focuses on novel trends in software evolution research and its relations with other emerging disciplines. Mens and Demeyer, both authorities in the field of software evolution, do not restrict themselves to the evolution of source code but also address the evolution of other, equally important software artifacts. This book is the indispensable source for researchers and professionals looking for an introduction and comprehensive overview of the state-of-the-art.

Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 - Donald Norris 2014-05-06

Build a custom multirotor aircraft! Build and customize radio-controlled quadcopters that take off, land, hover, and soar. *Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8* features step-by-step assembly plans and experiments that will have you launching fully functioning quadcopters in no time. Discover how to connect Elev-8 components, program the microcontroller, use GPS, and safely fly your quadcopter. This fun, do-it-yourself guide fuels your creativity with ideas for radical enhancements, including return-to-home functionality, formation flying, and even artificial intelligence!

Understand the principles that govern how quadcopters fly Explore the parts included in your Parallax Elev-8 kit Follow illustrated instructions and assemble a basic 'copter Connect the Parallax chip to a PC and write Spin and C programs Build radio-controlled systems that minimize interference Add GPS and track your aircraft through Google Earth Beam flight information to smartphones with WiFi and XBee technology Mount cameras and stream real-time video back to the ground Train to safely operate a quadcopter using flight simulation software
[Complete PCB Design Using OrCAD Capture and PCB Editor](#) - Kraig Mitzner 2009-05-28

This book provides instruction on how to use the OrCAD design suite to design and manufacture printed circuit boards. The primary goal is to

show the reader how to design a PCB using OrCAD Capture and OrCAD Editor. Capture is used to build the schematic diagram of the circuit, and Editor is used to design the circuit board so that it can be manufactured. The book is written for both students and practicing engineers who need in-depth instruction on how to use the software, and who need background knowledge of the PCB design process. Beginning to end coverage of the printed circuit board design process. Information is presented in the exact order a circuit and PCB are designed Over 400 full color illustrations, including extensive use of screen shots from the software, allow readers to learn features of the product in the most realistic manner possible Straightforward, realistic examples present the how and why the designs work, providing a comprehensive toolset for understanding the OrCAD software Introduces and follows IEEE, IPC, and JEDEC industry standards for PCB design. Unique chapter on Design for Manufacture covers padstack and footprint design, and component placement, for the design of manufacturable PCB's FREE CD containing the OrCAD demo version and design files

Mastering Regular Expressions - Jeffrey E.F. Friedl 2006-08-08

Regular expressions are an extremely powerful tool for manipulating text and data. They are now standard features in a wide range of languages and popular tools, including Perl, Python, Ruby, Java, VB.NET and C# (and any language using the .NET Framework), PHP, and MySQL. If you don't use regular expressions yet, you will discover in this book a whole new world of mastery over your data. If you already use them, you'll appreciate this book's unprecedented detail and breadth of coverage. If you think you know all you need to know about regularexpressions, this book is a stunning eye-opener. As this book shows, a command of regular expressions is an invaluable skill. Regular expressions allow you to code complex and subtle text processing that you never imagined could be automated. Regular expressions can save you time and aggravation. They can be used to craft elegant solutions to a wide range of problems. Once you've mastered regular expressions, they'll become an invaluable part of your toolkit. You will wonder how you ever got by without them. Yet despite their wide availability, flexibility, and unparalleled power, regular

expressions are frequently underutilized. Yet what is power in the hands of an expert can be fraught with peril for the unwary. Mastering Regular Expressions will help you navigate the minefield to becoming an expert and help you optimize your use of regular expressions. Mastering Regular Expressions, Third Edition, now includes a full chapter devoted to PHP and its powerful and expressive suite of regular expression functions, in addition to enhanced PHP coverage in the central "core" chapters. Furthermore, this edition has been updated throughout to reflect advances in other languages, including expanded in-depth coverage of Sun's java.util.regex package, which has emerged as the standard Java regex implementation. Topics include: A comparison of features among different versions of many languages and tools How the regular expression engine works Optimization (major savings available here!) Matching just what you want, but not what you don't want Sections and chapters on individual languages Written in the lucid, entertaining tone that makes a complex, dry topic become crystal-clear to programmers, and sprinkled with solutions to complex real-world problems, Mastering Regular Expressions, Third Edition offers a wealth of information that you can put to immediate use. Reviews of this new edition and the second edition: "There isn't a better (or more useful) book available on regular expressions." --Zak Greant, Managing Director, eZ Systems "A real tour-de-force of a book which not only covers the mechanics of regexes in extraordinary detail but also talks about efficiency and the use of regexes in Perl, Java, and .NET...If you use regular expressions as part of your professional work (even if you already have a good book on whatever language you're programming in) I would strongly recommend this book to you." --Dr. Chris Brown, Linux Format "The author does an outstanding job leading the reader from regex novice to master. The book is extremely easy to read and chock full of useful and relevant examples...Regular expressions are valuable tools that every developer should have in their toolbox. Mastering Regular Expressions is the definitive guide to the subject, and an outstanding resource that belongs on every programmer's bookshelf. Ten out of Ten Horseshoes." -- Jason Menard, Java Ranch

Computers and Law - 2002

Programming Computer Vision with Python - Jan Erik Solem 2012-06-19

If you want a basic understanding of computer vision's underlying theory and algorithms, this hands-on introduction is the ideal place to start.

You'll learn techniques for object recognition, 3D reconstruction, stereo imaging, augmented reality, and other computer vision applications as you follow clear examples written in Python. *Programming Computer Vision with Python* explains computer vision in broad terms that won't bog you down in theory. You get complete code samples with explanations on how to reproduce and build upon each example, along with exercises to help you apply what you've learned. This book is ideal for students, researchers, and enthusiasts with basic programming and standard mathematical skills. Learn techniques used in robot navigation, medical image analysis, and other computer vision applications Work with image mappings and transforms, such as texture warping and panorama creation Compute 3D reconstructions from several images of the same scene Organize images based on similarity or content, using clustering methods Build efficient image retrieval techniques to search for images based on visual content Use algorithms to classify image content and recognize objects Access the popular OpenCV library through a Python interface

Python Network Programming Cookbook - Pradeeban Kathiravelu 2017-08-09

Discover practical solutions for a wide range of real-world network programming tasks About This Book Solve real-world tasks in the area of network programming, system/networking administration, network monitoring, and more. Familiarize yourself with the fundamentals and functionalities of SDN Improve your skills to become the next-gen network engineer by learning the various facets of Python programming Who This Book Is For This book is for network engineers, system/network administrators, network programmers, and even web application developers who want to solve everyday network-related problems. If you are a novice, you will develop an understanding of the

concepts as you progress with this book. What You Will Learn Develop TCP/IP networking client/server applications Administer local machines' IPv4/IPv6 network interfaces Write multi-purpose efficient web clients for HTTP and HTTPS protocols Perform remote system administration tasks over Telnet and SSH connections Interact with popular websites via web services such as XML-RPC, SOAP, and REST APIs Monitor and analyze major common network security vulnerabilities Develop Software-Defined Networks with Ryu, OpenDaylight, Floodlight, ONOS, and POX Controllers Emulate simple and complex networks with Mininet and its extensions for network and systems emulations Learn to configure and build network systems and Virtual Network Functions (VNF) in heterogeneous deployment environments Explore various Python modules to program the Internet In Detail *Python Network Programming Cookbook - Second Edition* highlights the major aspects of network programming in Python, starting from writing simple networking clients to developing and deploying complex Software-Defined Networking (SDN) and Network Functions Virtualization (NFV) systems. It creates the building blocks for many practical web and networking applications that rely on various networking protocols. It presents the power and beauty of Python to solve numerous real-world tasks in the area of network programming, network and system administration, network monitoring, and web-application development. In this edition, you will also be introduced to network modelling to build your own cloud network. You will learn about the concepts and fundamentals of SDN and then extend your network with Mininet. Next, you'll find recipes on Authentication, Authorization, and Accounting (AAA) and open and proprietary SDN approaches and frameworks. You will also learn to configure the Linux Foundation networking ecosystem and deploy and automate your networks with Python in the cloud and the Internet scale. By the end of this book, you will be able to analyze your network security vulnerabilities using advanced network packet capture and analysis techniques. Style and approach This book follows a practical approach and covers major aspects of network programming in Python. It provides hands-on recipes combined with short and concise

explanations on code snippets. This book will serve as a supplementary material to develop hands-on skills in any academic course on network programming. This book further elaborates network softwarization, including Software-Defined Networking (SDN), Network Functions Virtualization (NFV), and orchestration. We learn to configure and deploy enterprise network platforms, develop applications on top of them with Python.

Amber 2021 - David A. Case 2021-06-13

Amber is the collective name for a suite of programs that allow users to carry out molecular dynamics simulations, particularly on biomolecules. None of the individual programs carries this name, but the various parts work reasonably well together, and provide a powerful framework for many common calculations. The term Amber is also used to refer to the empirical force fields that are implemented here. It should be recognized, however, that the code and force field are separate: several other computer packages have implemented the Amber force fields, and other force fields can be implemented with the Amber programs.

Further, the force fields are in the public domain, whereas the codes are distributed under a license agreement. The Amber software suite is divided into two parts: AmberTools21, a collection of freely available programs mostly under the GPL license, and Amber20, which is centered around the pmemd simulation program, and which continues to be licensed as before, under a more restrictive license. Amber20 represents a significant change from the most recent previous version, Amber18. (We have moved to numbering Amber releases by the last two digits of the calendar year, so there are no odd-numbered versions.) Please see <https://ambermd.org> for an overview of the most important changes. AmberTools is a set of programs for biomolecular simulation and analysis. They are designed to work well with each other, and with the “regular” Amber suite of programs. You can perform many simulation tasks with AmberTools, and you can do more extensive simulations with the combination of AmberTools and Amber itself. Most components of AmberTools are released under the GNU General Public License (GPL). A few components are in the public domain or have other open-source licenses. See the README file for more information.