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[Learn ZF2](#) Dec 06 2020 Zend Framework 2 (ZF2) has changed the way to develop PHP applications and like every revolution takes time to be digested. The book will help you understand the major components in ZF2 and how to use them as best as possible. The chapters in this book will lead you through the different components and in the process together with the author you will build a complete application. "In this book Slavey shares his real life experience with ZF2 projects, as a senior consultant at Zend Technologies, and hits all the major challenges you may face. It is a must-have if you want a quick start and proficiency in ZF2." Andi Gutmans & Zeev Suraski The chapters in the book are accompanied by source code that you could copy, and it will help you learn by example.

[Reinforcement Learning, second edition](#) Jul 21 2019 The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

[The Linux Command Line](#) Feb 08 2021 You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: * Create and delete files, directories, and symlinks * Administer your system, including networking, package installation, and process management * Use standard input and output, redirection, and pipelines * Edit files with Vi, the world's most popular text editor * Write shell scripts to automate common or boring tasks * Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

[Python Data Science Handbook](#) Aug 22 2019 For many researchers, Python is a first-class tool mainly because of its libraries for storing, manipulating, and gaining insight from data. Several resources exist for individual pieces of this data science stack, but only with the Python Data Science Handbook do you get them all—IPython, NumPy, Pandas, Matplotlib, Scikit-Learn, and other related tools. Working scientists and data crunchers familiar with reading and writing Python code will find this comprehensive desk reference ideal for tackling day-to-day issues: manipulating, transforming, and cleaning data; visualizing different types of data; and using data to build statistical or machine learning models. Quite simply, this is the must-have reference for scientific computing in Python. With this handbook, you'll learn how to use: IPython and Jupyter: provide computational environments for data scientists using Python NumPy: includes the ndarray for efficient storage and manipulation of dense data arrays in Python Pandas: features the DataFrame for efficient storage and manipulation of labeled/columnar data in Python Matplotlib: includes capabilities for a flexible range of data visualizations in Python Scikit-Learn: for efficient and clean Python implementations of the most important and established machine learning algorithms

[Apple Pro Training Series](#) Jan 27 2020 This book covers GarageBand 10.0. The content and/or media files do not work with subsequent releases of the software. In the only Apple-certified guide to GarageBand 10.0.0, readers will be creating original works within the first few chapters. Using real-life material and practical lessons that they can apply immediately to their own projects, this book/media combo offers a complete, self-paced course in all aspects of GarageBand. Focused lessons take you step-by-step through fun, real-world projects, and GarageBand 10.0.0 features. Exclusively for this book, author/musician Mary Plummer works with a host of talented artists ranging from a student songwriter to a professional touring guitarist, an award-winning poet, an independent hip hop recording artist, and award winning dancers to create all new, real-world projects that readers will step-through. Along the way readers will get to mix a songwriter's demo, test amp simulators and stomp boxes with an electric guitar solo, edit spoken dialog for an audio book, lay down original hip-hop beats using a drum machine patch and dynamic tempo changes, and add percussion and effects to a dance video to enhance the sound. For mobile users, the book includes an overview of GarageBand for iOS and sharing GarageBand songs via iCloud between iOS devices and your Mac. This self-paced learning tool pairs an easy, accessible style with ample illustrations and keyboard shortcuts to guarantee that readers become proficient with GarageBand 10.0.0 in no time.

[Causal Inference](#) Sep 15 2021 The application of causal inference methods is growing exponentially in fields that deal with observational data. Written by pioneers in the field, this practical book presents an authoritative yet accessible overview of the methods and applications of causal inference. With a wide range of detailed, worked examples using real epidemiologic data as well as software for replicating the analyses, the text provides a thorough introduction to the basics of the theory for non-time-varying treatments and the generalization to complex longitudinal data.

[Stars Without Number \(Perfect Bound\)](#) Oct 28 2022 Stars Without Number is a science fiction role-playing game inspired by the Old School Renaissance and the great fantasy and science-fiction games of the seventies and eighties. * Compatible with most retroclone RPGs * Helps a GM

build a sandbox sci-fi game that lets the players leave the plot rails to explore freely * World building resources for creating system-neutral planets and star sectors * 100 adventure seeds and guidelines for integrating them with the worlds you've made * Old-school compatible rules for guns, cyberware, starships, and psionics * Domain rules for experienced characters who want to set up their own colony, psychic academy, mercenary band, or other institution

The Holy Bible, According to the Authorized Version (A.D. 1611): Romans-Philemon Apr 22 2022

Version Control with Subversion Dec 26 2019 Open source, as you know, makes code freely available-but, without organization, code development can easily become chaotic. Version control systems allow each team member to work separately and then merge source code changes into a single repository that keeps a record of each separate version. No nasty clashes, no lost work. Written by members of the Subversion open source development team, Version Control with Subversion introduces the powerful new versioning tool designed to be the successor to the Concurrent Versions System (CVS), CVS users will find the look and feel of Subversion comfortably familiar, but Subversion is far more flexible, robust, and usable. Version Control with Subversion is useful to readers of different backgrounds, from those with no previous experience in version control to experienced systems administrators. It describes the installation and configuration of Subversion for managing a programming project, documentation, or any other team-based endeavor. If you've never used version control, you'll find everything you need to get started in this book. And if you're a seasoned CVS pro, this book will help you make a painless leap into Subversion.

The School for Wives Apr 29 2020 Fearful of falling victim to marital infidelity, bachelor Arnolphe schemes to marry his guileless young ward, Agnès, whom he has had raised in a convent specifically to be his model wife. However, his naïve plan is spoiled when Agnès runs away with Horace--a fact that Arnolphe learns when Horace unwittingly asks him to conceal her at his home. Before Arnolphe can react, it is revealed that Agnès wealthy father has formally arranged her marriage to Horace, dashing his hopes forever.

Eloquent JavaScript Aug 02 2020 JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to: -Understand the essential elements of programming: syntax, control, and data -Use object-oriented and functional programming techniques to organize and clarify your programs -Script the browser and make basic Web applications -Work with tools like regular expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

Vocabulary 2.0 Mar 09 2021 Are you flowing with the word current? How do you react when you come across a new word? It sounds familiar but the affix it carries unsettles you. It has taken a new form, thanks to the compound that has been glued to it. You feel you know the meaning of the word, but still unsure to use it yourself, you badly want to double-check its origin, meaning and usage. Some words you feel are extremely informal and cannot be used unless your dictionary approves of it. Sharing the enthusiasm and curiosity with innumerable word mongers, this book takes a peek into words that have made their way to existence. Not mere existence, but they thrive in the internet and media before by popular academic consensus, they enter the red carpet of dictionaries. Whether you are in the pursuit to increase your wordbank or you are the kind who likes to flaunt around 'cool' words or a novice to the world of internet lingo or an expert who looks into how words metamorphose for survival, this book is definitely for you!

Linux Pocket Guide Feb 26 2020 O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages. Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it. The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system. Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.

The Antivirus Hacker's Handbook Jul 13 2021 Hack your antivirus software to stamp out future vulnerabilities The Antivirus Hacker's Handbook guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the functions and other key elements of the software. Next, you leverage your new knowledge about software development to evade, attack, and exploit antivirus software—all of which can help you strengthen your network and protect your data. While not all viruses are damaging, understanding how to better protect your computer against them can help you maintain the integrity of your network. Discover how to reverse engineer your antivirus software Explore methods of antivirus software evasion Consider different ways to attack and exploit antivirus software Understand the current state of the antivirus software market, and get recommendations for users and vendors who are leveraging this software The Antivirus Hacker's Handbook is the essential reference for software reverse engineers, penetration testers, security researchers, exploit writers, antivirus vendors, and software engineers who want to understand how to leverage current antivirus software to improve future applications.

Two memoirs on the Syriac versions of the New Testament, supplementary to the Peshitto Nov 17 2021

Forecasting: principles and practice Sep 03 2020 Forecasting is required in many situations. Stocking an inventory may require forecasts of demand months in advance. Telecommunication routing requires traffic forecasts a few minutes ahead. Whatever the circumstances or time horizons involved, forecasting is an important aid in effective and efficient planning. This textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly.

PC Magazine Oct 04 2020

Rose Garden - Baden near Vienna Nov 24 2019 The Rose Garden in Baden near Vienna Austria's greatest Rose Garden is located in Baden near Vienna. On an area of about 8 hectares (about 20 acres) you'll find 175 beds with more than 30,000 rose bushes, in over 800 varieties. Every year you can admire two rose blossoms here; once in June and in October.

MICO Mar 21 2022

How to Create Simple Video Games Jan 07 2021 Video gaming can be a very entertaining experience for many people. Sometimes you will notice that hours have gone by while you are playing. If you are a person who enjoys playing video games you may want to consider creating your own video game. The market for video games continuously expands. There is a large amount of money that can be made in the video game industry. Learning how to create a video game will give you an opportunity to make a lot of money as well as provide you with a feeling of self-accomplishment. A lot of people have great ideas about video games but sadly many of them do not chase their dreams. The reason for this in most cases is that the person may feel as if it is too hard for them to do or that they may not be smart enough. Do not be one of these people! If you have come up with an idea you have already accomplished one of the hardest parts of creating a video game. Creativity does not come naturally to everyone and you should take pride in the fact that you have a creative mind. If you have a creative mind and enjoy video games you should seriously consider creating your games.

After all, it could present you with an opportunity to generate cash flow doing something you love. The following chapter in this book will shed some light on the basics of creating a game and give you some pointers to guide you through the basic processes. Grab It Now!

[An Introduction to the Critical Study and Knowledge of the Holy Scriptures](#) May 11 2021

Nineteen Eighty-Four Jun 24 2022 "Nineteen Eighty-Four: A Novel", often published as "1984", is a dystopian social science fiction novel by English novelist George Orwell. It was published on 8 June 1949 by Secker & Warburg as Orwell's ninth and final book completed in his lifetime.

Thematically, "Nineteen Eighty-Four" centres on the consequences of totalitarianism, mass surveillance, and repressive regimentation of persons and behaviours within society. Orwell, himself a democratic socialist, modelled the authoritarian government in the novel after Stalinist Russia. More broadly, the novel examines the role of truth and facts within politics and the ways in which they are manipulated. The story takes place in an imagined future, the year 1984, when much of the world has fallen victim to perpetual war, omnipresent government surveillance, historical negationism, and propaganda. Great Britain, known as Airstrip One, has become a province of a totalitarian superstate named Oceania that is ruled by the Party who employ the Thought Police to persecute individuality and independent thinking. Big Brother, the leader of the Party, enjoys an intense cult of personality despite the fact that he may not even exist. The protagonist, Winston Smith, is a diligent and skillful rank-and-file worker and Outer Party member who secretly hates the Party and dreams of rebellion. He enters into a forbidden relationship with a colleague, Julia, and starts to remember what life was like before the Party came to power.

[Learn Version Control With Git](#) Oct 24 2019 Are you looking for a new version control system? Perhaps what you're using now is too cumbersome, or you just want to try something new to manage a pet project. With Git by Ryan Hodson, you can get up and running with one of the fastest-spreading revision control systems out there. Complete with vivid diagrams, clear code samples, and a careful walk-through of primary features, this free e-book is your quick guide to how Git operates, what its advantages are, and how you can incorporate it into your own workflow. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career & Business.

[Pro Freeware and Open Source Solutions for Business](#) Feb 20 2022 Pro Freeware and Open Source Solutions for Business is a practical guide for the small business owner seeking viable alternative to expensive commercial software packages and subscriptions. This comprehensive look at the powerful alternatives to expensive proprietary software provides an illustrated overview of no-cost software solutions. In this book you will find free and open source solutions for office productivity, PDF creation, accounting, image editing and graphic design, desktop publishing, 3D design, CAD, audio and video editing, website and blog creation, customer relationship management, point of sale, networking and security, and alternatives to the Windows and Macintosh operating systems. This guide helps free the cost-conscious business owner from the bonds of expensive proprietary software by exploring the free and powerful alternatives that exist. You can save a substantial sums of money by replacing just a few commercial software titles with free and open source solutions. Learn how with Pro Freeware and Open Source Solutions for Business today.

[The Holy Bible, According to the Authorized Version \(A.D. 1611\)](#) Dec 18 2021

My No-Knead Turbo Bread Cookbook (Introducing Hands-Free Technique) (B&W Version) Jun 12 2021 No-knead "Turbo" bread was designed for those who want to make no-knead bread, but... don't want to wait 8 to 24 hours. Those who want bread machine bread, but... don't want to buy and store a bread machine. It's for those of you who want a fast reliable way to make fresh from the oven bread without the hustle of expensive machines, Dutch ovens, or kneading. Turbo bread is a fresh approach to making no-knead bread... that provides you with an option. You'll love it. So throw away your bread machine because you can make bread with a glass bowl and a spoon. To watch a video demonstration of no-knead "Turbo" bread using the "hands-free" technique go to my YouTube channel ("AstisanBreadWithSteve") and watch "Ultimate Introduction to No-Knead "Turbo" Bread... ready to bake in 2-1/2 hours". Then come back and get the cookbook. Thanks - SteveCookbook "Table of Contents" lists both recipe and method (bakeware) used to shape and bake loaf, but you can mix and match... the ingredients from one recipe with the method (bakeware) from a different recipe. The two components are independent of each other. For example, you can use the ingredients from the "Harvest 8 Grain Whole Wheat Bread (long covered baker)" recipe... proof for 1-1/2 hours... then use the method (bakeware) from the "Country White Bread (standard bread pan)" recipe. In other words... you can bake harvest 8 grain whole wheat bread in a standard bread pan by following the country white recipe's standard bread pan method. Any recipe... any method (bakeware). Breads includes... Country White Bread (standard bread pan), Skillet Bread (skillet - garnish), American Baguettes (baguette pan), Beer Bread (mini round baker - half loaves), Cheddar Cheese Bread (preheated Dutch oven), Multigrain Country White Bread (standard bread pan - garnish), Honey Oatmeal Bread (uncovered baker - garnish), Honey Whole Wheat Bread (preheated Dutch oven), Harvest 8 Grain Whole Wheat Bread (long covered baker), Flax Seed 8 Grain Bread (standard bread pan - baste), Rosemary Bread (mini round baker - half loaves), Caraway Rye Bread (standard bread pan), Polenta Bread (preheated uncovered baker - garnish & baste), Mediterranean Olive Bread (long loaf pan - half loaves), Mexican Jalapeño-Chili Fiesta Bread (preheated uncovered baker), Buttermilk Bread (long covered baker - garnish), Cinnamon Raisin Bread (small bread pan), and English Muffin Loaf (small bread pan - specialty bread). Rolls & Buns includes... Traditional Dinner Rolls (jumbo muffin pans), Pull-Apart Dinner Rolls (pull-apart - baste), Garlic-Cheese Rolls (muffin cutter), Multigrain Country White Rolls (hand shaped), Garlic-Herb Rolls (mini round cake pans), Honey Whole Wheat Rolls (mini round cake pans), Harvest 8 Grain Whole Wheat Rolls (baguette pans), Mediterranean Olive Signature Rolls (mini round cake pans), Cinnamon Raisin Breakfast Rolls (mini round cake pans), Small Sandwich Rolls (mini loaf pans), Large Sandwich Rolls (baguette pans), Torpedo Sandwich Rolls (baguette pans), and Hamburger Buns (mini round cake pans). No-Knead Pizza Dough & Pizza includes... No-Knead Pizza Dough ("Traditional" No-Knead Pizza Dough... proof for 8 to 24 hours, "Turbo" No-Knead Pizza Dough... proof for 1-1/2 hours), Mushroom-Black Olive Pizza, Pepperoni Pizza, Whole Wheat Cheese Pizza, Meatball & Bacon Pizza, and Garlic Breadsticks & Nuggets. Sweet Rolls includes... No-Knead "Turbo" Sweet Roll Dough, Old-Fashioned Cinnamon Rolls (pan method), Old-Fashioned Cinnamon Rolls (individual roll method), Raspberry Sweet Rolls, Almond Danish, and Caramel-Pecan Sweet Rolls (a.k.a. Sticky Buns).

[10 Projects You Can Do with Microsoft, SQL Server](#) 7 Jul 01 2020 Learn Microsoft SQL Server 7 by successfully completing hands-on projects You don't have to be a fortune teller to realize that Microsoft's SQL Server 7 is going to be the most widely used database product on the planet. This book, unlike typical reference books, shows you how to use SQL Server to add value to your business operations. Drawing inspiration from the lab manuals you used in biology and earth science classes, the authors provide step-by-step instructions for accomplishing the kinds of projects you'll want to do with SQL Server. Here's a taste of some of the projects: * How to build an e-commerce site with Site Server Commerce Edition * Implementing a data-driven Intranet with SQL Server and IIS * Creating both single-source and multisource data marts * Working with OLAP Services and a variety of OLAP clients * Writing Visual Basic applications that work with SQL Server Plus two CD-Roms! * CD-ROM 1 contains Microsoft SQL Server 7.0 120-Day Evaluation Edition * CD-ROM 2 contains all the code from the book, example applications, 18 third party Development tools, and links to related Web sites

[Handover of Power - Free Market Economy](#) Oct 16 2021 Free Market Economy rethought Do you sometimes worry that the state will impose so many regulations on you that you will no longer be able to compete on the world market? And do you also want trade to be as free as possible in this world? How could a high risk lead to maximum profits without causing damage to uninvolved parties? This book tells us: ... how an economic form with few taxes and requirements can create the greatest possible independence from the state. ... how companies can buy state services or do without them, depending on their needs. ... which currency can connect the free economic forms worldwide and at the same time protect other economic forms. After 20 years of work on this book series, Andreas Seidl thus ventures a step towards founding a party. In doing so, he entertains his readers both intellectually and visionarily. If this work can give you hope, inspire you or move you to action, it has fulfilled its purpose. Available in German and English

Fulltext Sources Online Nov 05 2020

Pro Git Jan 19 2022 Git is the version control system developed by Linus Torvalds for Linux kernel development. It took the open source world by storm since its inception in 2005, and is used by small development shops and giants like Google, Red Hat, and IBM, and of course many open source projects. A book by Git experts to turn you into a Git expert Introduces the world of distributed version control Shows how to build a Git development workflow

R for Data Science May 23 2022 Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results

InfoWorld May 31 2020 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Deep Learning Sep 27 2022 An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

InfoWorld Apr 10 2021 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

The Gothic and Anglo-Saxon Gospels in parallel columns, with the versions of Wycliffe and Tyndale Mar 29 2020

The Rust Programming Language (Covers Rust 2018) Aug 26 2022 The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features—from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

Operating Systems Jul 25 2022 "This book is organized around three concepts fundamental to OS construction: virtualization (of CPU and memory), concurrency (locks and condition variables), and persistence (disks, RAIDS, and file systems"--Back cover.

An Introduction to Expert Systems Sep 22 2019

Red Hat?Fedora?Linux?2 For Dummies Aug 14 2021 * Shows Linux newbies how to install and use Red Hat's Fedora—the latest release of the most popular Linux distribution—in the familiar friendly, easy-to-understand For Dummies style * Includes the full Fedora Core distribution with source code on DVD and all of the CD content that comes with Fedora, saving readers hours of downloading time * New features in this revised edition include an example DSL modem configuration and sections on how to use Mozilla's e-mail client, how to use a virtual private network, and how to use Nautilus to surf the net

Essential PHP fast Jun 19 2019 How to create dynamic web environments using the PHP language and the MySQL database! If you are familiar with the syntax for C, C++ and Java, then PHP will seem very familiar. Once you have got up to speed with this HTML embedded scripting language, you will soon be creating dynamic HTML database-enabled web pages quickly and easily. This quick and practical introduction explains: - how PHP works and what a dynamic web page is; - the software development environment; - the syntax and features of the language; - how PHP can be integrated with MySQL databases; - dynamic database applications. Clearly written, this book provides you with all the essential information you need to create your own dynamic web environments using PHP. Additional material is available from the Essential series web site: <http://www.essential-series.com>