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Algorithms in a Nutshell George T. Heineman,Gary Pollice,Stanley Selkow,2016-03-22 Creating robust software requires the use of efficient algorithms but programmers seldom think about them until a problem occurs This updated edition of Algorithms in a Nutshell describes a large number of existing algorithms for solving a variety of problems and helps you select and implement the right algorithm for your needs with just enough math to let you understand and analyze algorithm performance With its focus on application rather than theory this book provides efficient code solutions in several programming languages that you can easily adapt to a specific project Each major algorithm is presented in the style of a design pattern that includes information to help you understand why and when the algorithm is appropriate With this book you will Solve a particular coding problem or improve on the performance of an existing solution Quickly locate algorithms that relate to the problems you want to solve and determine why a particular algorithm is the right one to use Get algorithmic solutions in C C Java and Ruby with implementation tips Learn the expected performance of an algorithm and the conditions it needs to perform at its best Discover the impact that similar design decisions have on different algorithms Learn advanced data structures to improve the efficiency of algorithms   **Algorithms for Visual Design Using the Processing Language** Kostas Terzidis,2009-04-08 As the first book to share the necessary algorithms for creating code to experiment with design problems in the processing language this book offers a series of generic procedures that can function as building blocks and encourages you to then use those building blocks to experiment explore and channel your thoughts ideas and principles into potential solutions The book covers such topics as structured shapes solid geometry networking and databases physical computing image processing graphic user interfaces and more   **Algorithms in a Nutshell, 2nd Edition** George Heineman T.. Gary Pollice. Stanley Selkow,2016   Mastering Algorithms with Perl Jarkko Hietaniemi,John Macdonald,Jon Orwant,1999-08-18 Many programmers would love to use Perl for projects that involve heavy lifting but miss the many traditional algorithms that textbooks teach for other languages Computer scientists have identified many techniques that a wide range of programs need such as Fuzzy pattern matching for text identify misspellings Finding correlations in data Game playing algorithms Predicting phenomena such as Web traffic Polynomial and spline fitting Using algorithms explained in this book you too can carry out traditional programming tasks in a high powered efficient easy to maintain manner with Perl This book assumes a basic understanding of Perl syntax and functions but not necessarily any background in computer science The authors explain in a readable fashion the reasons for using various classic programming techniques the kind of applications that use them and most important how to code these algorithms in Perl If you are an amateur programmer this

book will fill you in on the essential algorithms you need to solve problems like an expert If you have already learned algorithms in other languages you will be surprised at how much different and often easier it is to implement them in Perl And yes the book even has the obligatory fractal display program There have been dozens of books on programming algorithms some of them excellent but never before has there been one that uses Perl The authors include the editor of The Perl Journal and master librarian of CPAN all are contributors to CPAN and have archived much of the code in this book there This book was so exciting I lost sleep reading it Tom Christiansen   *Learning Perl on Win32 Systems* Randal L. Schwartz,Erik Olson,Tom Christiansen,1997 An introduction to Perl including tips for PC users and NT specific examples

    Windows Me Annoyances David Karp,2001-03-26 In an ideal world an operating system is a collection of software that handles a computer s dirty work invisibly quickly and most of all painlessly For many of us however Microsoft Windows exists outside this ideal world We are annoyed by personalized Menus that keep changing icons we don t use cluttering up our workspace periodic crashes unintelligible error messages and inadequate documentation to help us figure it all out Windows Me Annoyances has the insider information you need for overcoming Windows many annoyances and limitations Whether you re looking to finally solve a nagging problem dramatically improve system performance or customize the interface to better suit your work habits the Windows Me Annoyances solution oriented format makes finding information and implementing solutions easy and pain free Thanks to the thorough and relevant documentation on the registry Windows Scripting Host and Windows built in networking capabilities customizing and improving Windows Me is easier than ever Based on the author s extremely popular Annoyances org web sites Windows Me Annoyances delivers an authoritative collection of techniques and tools for customizing Windows Me including Several approaches and hidden tools for working with the Windows registry the database of system and application specific configuration information How to bypass Windows roadblocks such as the Home Networking and System Restore wizards allowing you to take control of the processes quickly and painlessly A tutorial and reference on automation with the Windows Scripting Host as a means of eliminating many Windows Me annoyances Using third party software and utilities to handle some of the more complex workarounds and customizations Dealing with software that overwrites your file associations and other settings without warning Windows Me Annoyances is the intermediate and advanced Windows user s best resource for turning Windows into the user friendly customizable interface it was meant to be but doesn t always manage to be on its own   *Writing Apache Modules with Perl and C* Lincoln Stein,Doug MacEachern,1999 Apache is the most popular web server on the Internet because it is free reliable and extensible The availability of the source code and the modular design of Apache makes it possible to extend web server functionality through the Apache API For the most part however the Apache API has only been available to C programmers and requires rebuilding the Apache server from source mod_perl the popular Apache module used primarily for enhanced CGI performance changed all that by making the Apache API available to Perl programmers With mod_perl it becomes simple to develop Apache

modules with Perl and install them without having to rebuild the web server Writing Apache Modules with Perl and C shows how to extend web server capabilities regardless of whether the programming language is Perl or C The book explains the design of Apache mod_perl and the Apache API It then demonstrates how to use them to perform for tasks like the following Rewriting CGI scripts as Apache modules to vastly improve performance Server side filtering of HTML documents to embed special markup or code much like SSI Enhancing server log functionality Converting file formats on the fly Implementing dynamic navigation bars Incorporating database access into CGI scripts Customizing access control and authorization to block robots or to use an external database for passwords The authors are Lincoln Stein and Doug MacEachern Lincoln is the successful author of How to Set Up and Maintain a World Wide web Site and the developer of the widely used Perl CGI pm module Doug is a consultant and the creator of the innovative mod_perl Apache module   **C in a Nutshell** Peter Prinz,Tony Crawford,2006 In this one handy book programmers get virtually everything they need to program in C long established as an ANSI standard The C programming language has been around since 1971 and is still the language of choice for many applications   **Algorithms In A Nutshell** George T. Heineman,2009 Creating robust software requires the use of efficient algorithms but programmers seldom think about them until a problem occurs Algorithms in a Nutshell describes a large number of existing algorithms for solving a variety of problems and helps you select and implement the right algorithm for your needs with just enough math to let you understand and analyze algorithm performance   Python and XML Christopher A. Jones,Fred L. Drake,2002 This book has two objectives to provide a comprehensive reference on using XML with Python and to illustrate the practical applications of these technologies in an enterprise environment with examples   Data Structures and Algorithms in Java Michael T. Goodrich,Roberto Tamassia,2004 The third edition of this conceptually elegant and pedagogically innovative text continues to incorporate the object oriented design paradigm using Java as the implementation language while also providing intuition and analysis of fundamental data structures and algorithms All of this is done in a clear friendly writing style that uses visuals to introduce and simplify important analytic and mathematical concepts Entirely new chapter on recursion Additional exercises on the analysis of simple algorithms New case study on parenthesis matching and HTML validation   **Running Weblogs with Slash** Chromatic,Brian Aker,Dave Krieger,2002 This is written for system administrators who may not have the time to learn about Slash by reading the source code It collects all the current Slash knowledge from the code Website and mailing lists and organizes it into a coherent package

CGI Programming with Perl Scott Guelich,Shishir Gundavaram,Gunther Birznieks,2000 A comprehensive explanation of CGI for people who hold on to the dream of providing their own information servers on the Web This edition has been completely rewritten to use the current techniques available in Version 5 of Perl and two popular Perl modules CGI pm and CGI_lite plus discussions of speed up techniques such as FastCGI and mod_perl   **Programming the Be Operating System** Dan Parks Sydow,1999 C programmers get a beginners start to developing applications for the Be operating system

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