Programmers Toolbox

Jack Emmerichs

The Programmer's Toolbox Crown,Jack Emmerichs,Crown Publishing Group Staff,1986-04-01

The Linux Programmer's Toolbox John Fusco,2007-03-06 Master the Linux Tools That Will Make You a More Productive, Effective Programmer The Linux Programmer's Toolbox helps you tap into the vast collection of open source tools available for GNU/Linux. Author John Fusco systematically describes the most useful tools available on most GNU/Linux distributions using concise examples that you can easily modify to meet your needs. You'll start by learning the basics of downloading, building, and installing open source projects. You'll then learn how open source tools are distributed, and what to look for to avoid wasting time on projects that aren't ready for you. Next, you'll learn the ins and outs of building your own projects. Fusco also demonstrates what to look for in a text editor, and may even show you a few new tricks in your favorite text editor. You'll enhance your knowledge of the Linux kernel by learning how it interacts with your software. Fusco walks you through the fundamentals of the Linux kernel with simple, thought-provoking examples that illustrate the principles behind the operating system. Then he shows you how to put this knowledge to use with more advanced tools. He focuses on how to interpret output from tools like sar, vmstat, valgrind, strace, and apply it to your application; how to take advantage of various programming APIs to develop your own tools; and how to write code that monitors itself. Next, Fusco covers tools that help you enhance the performance of your software. He explains the principles behind today's multicore CPUs and demonstrates how to squeeze the most performance from these systems. Finally, you'll learn tools and techniques to debug your code under any circumstances. Coverage includes Maximizing productivity with editors, revision control tools, source code browsers, and beautifiers Interpreting the kernel: what your tools are telling you Understanding processes–and the tools available for managing them Tracing and resolving application bottlenecks with gprof and valgrind Streamlining and automating the documentation process Rapidly finding help, solutions, and workarounds when you need them Optimizing program code with sar, vmstat, iostat, and other tools Debugging IPC with shell commands: signals, pipes, sockets, files, and IPC objects Using printf, gdb, and other essential debugging tools Foreword Preface Acknowledgments About the Author Chapter 1 Downloading and Installing Open Source Tools Chapter 2 Building from Source Chapter 3 Finding Help Chapter 4 Editing and Maintaining Source Files Chapter 5 What Every Developer Should Know about the Kernel Chapter 6 Understanding Processes Chapter 7 Communication between Processes Chapter 8 Debugging IPC with Shell Commands Chapter 9 Performance Tuning Chapter 10 Debugging Index

The Programmer's Toolbox Jack Emmerichs,1984 Uses Example Programs to Teach Skills Needed to Program Without Line Numbers & Without Most of BASIC's Other Instructions

The Linux Programmer's Toolbox John Fusco,2007 A hands-on, example-rich, practical guide to the complex and often confusing world of software development tools for Linux developers.

The Legacy Code Programmer's Toolbox Jonathan Boccara,2019-09-21 This is a warm and reassuring book that will equip you to read, understand, and update legacy code in any language. --Kate Gregory It is easy to forget that outside the world of software development, the word legacy has another meaning. A positive meaning, a gift of wealth from the past to the present for the future. This book will help you reclaim the word. --Kevlin Henney If you're like most software developers, you have to deal with legacy code. But working with legacy code is challenging! This book will teach you how to be happy, efficient and successful when working with legacy code. Here are the skills that The Legacy Code Programmer's Toolbox will teach you: - how to deal with legacy code efficiently and with

a positive approach, - 10 techniques how to understand legacy code, - 5 ways to reduce the size of long functions, - a technique to turn legacy code to your advantage to improve your programming skills, - how to be in a motivated mindset, - the power of knowledge of your codebase, how to acquire it and make every person in your team acquire it too, - how to find the source of a bug quickly in a large and unfamiliar codebase, - where to focus your refactoring efforts so that they make your life easier, - and many more things to be efficient and happy when working with legacy code!

Microsoft QuickBASIC Programmer's Toolbox John Clark Craig,1988 A valuable collection of subprograms and functions that professional and novice programmers will turn to again and again, this guide addresses both common and unusual programming tasks.

Microsoft QuickC Programmer's Toolbox John Clark Craig,1990 A superb collection of more than 250 routines that capitalize on the exciting features of QuickC. These routines are a gold mine for novice and intermediate QuickC programmers.

As/400 Programmer'S Handbook: A Toolbox Of Examples For Every As/400 Programmer Mark Mccall,1998-01-01 Now you can eliminate hours of time spent researching complex programming techniques. This handy, desktop guide provides programming examples for nearly every AS/400 development task you face. No more rummaging around in old code to find and modify a technique you need for a new application. No more writing routines from scratch. This book and companion diskette put dozens of prototypical techniques at your fingertips, ready to key in or insert directly from your development library.

Toolbox for the Mathematica Programmers V. Aladjev,V. A. Vaganov,2016-04-14 Computer mathematics systems (CMS) find more and more broad application in a number of natural, economical and social fields. These systems are rather important tools for scientists, teachers, researchers and engineers, very well combining symbolical methods with advanced computing methods. One of leaders among tools of this class undoubtedly is the Mathematica system. The book focuses on a important aspect - modular programming supported by Mathematica. The given aspect is of particular importance not only for appendices but also above all it is quite important in the creation of the user tools that expand the most frequently used standard tools of the system and/or eliminate its shortcomings, or complement the new facilities.Software represented in the book contain a number of useful and effective receptions of procedural and functional programming in the Mathematica system that extend the system software and allow sometimes much more efficiently and easily to program the program projects for various purposes first of all wearing system character. The presented tools are of interest not only as independent tools, but also contain a number of the receptions useful in practical programming in the Mathematica software.The above software rather essentially dilates the Mathematica functionality and can be useful enough for programming of many applications above all of system character. Moreover, the AVZ_Package package containing more 800 tools of various purpose with freeware license is attached to the book.The given book is oriented on a wide enough circle of the users of computer mathematics systems, researchers, teachers and students of universities for courses of computer science, mathematics, physics and many other natural disciplines. The book will be of interest also to the specialists of the industry and technology that use the CMS in own professional activity.In the course of preparation of the present book the licensed releases 8 ÷ 10 of the Mathematica system provided by the Wolfram Research Inc. have been used.

The AutoLISP Programmer's Toolbox John W. Gibb,Jeff Pilcher,1997 AutoLISP, the programming language behind AutoCAD, is for those who want to move from developing simple applications to more complex and powerful applications. John Gibb provides the means for an intermediate-level AutoCAD user to advance to the next level of productivity with AutoLISP tools and knowledge. The disk

contains all the source code, along with sample test programs and templates.

Linux ,2008-03 Linux Tools Linux

Macintosh C Programming Primer: Inside the toolbox using Think C Dave Mark,Cartwright Reed,1992 The new edition of this Macintosh programming bestseller is updated to reflect the many recent changes in both Macintosh hardware and software, including System 7, new versions of THINK C and ResEdit, and the new machines. This is the only book that teaches Macintosh programming at a beginning level.

The AS/400 Programmer's Handbook Mark McCall,2000-04 Now you can stop wasting countless hours wading through IBM's technical manuals, looking for programming examples to show you how a technique really needs to be coded. This book and companion CD contain more than 70 prototypical techniques and coding examples that you can use and adapt for hundreds of applications. From system APIs to SQL, the material presented encompasses the most useful and powerful features of the AS/400. Far more valuable than just code samples, each example is accompanied by a thorough line-by-line explanation of the techniques employed. As a programming tool or as a learning aid, this book is the first place to look for practical, hands-on development assistance. If you have read and used the original AS/400 Programmer's Handbook, you know just how valuable a book like this can be. As in his original, author Mark McCall begins each section of Volume II with a thorough discussion of each topic, including how it fits into everyday application use. He then shows and explains several examples from real-life applications--code that's ready to run in your applications. He tells you what the example does and how it works, all in a programmer-to-programmer style that makes you feel as if you have a mentor sitting right beside you. Designed to work as a functional programming tool, each example is presented as a self-contained instrument, allowing you to get in, get the information you need, and get on with business. When you have completed this book, you will know: 5 modular coding technique examples, including /Copy compiler directives, subroutines, dynamic subprograms, subprocedures, and service programs, 24 examples of RPG's most useful built-in functions, 7 exitprogram examples, including user profile monitoring, data transfer security, and job notification, 8 system API examples, including command execution and processing, retrieval APIs, list APIs, user space APIs, and ILE CEE APIs, 5 database constraint examples, including check constraints, unique and primary key constraints, and referential integrity constraints, 3 database trigger program examples, and 19 SQL examples, including logical views, selects, joins, summaries, and embedded SQL . Level: Novice, Intermediate, and Advanced.

Advanced Programming Techniques for the Apple IIGS Toolbox Morgan Davis,Dan Gookin,1988

The C Toolbox William James Hunt,1989 This perennial bestseller has been updated to include the most popular C compilers. Beginning to intermediate C programmers receive ready-to-run programs, including pop-up windows and pull-down menus.

Pascal Plus Data Structures, Algorithms, and Advanced Programming Nell B. Dale,Susan C. Lilly,1995

Mac OS X Programming Dan Parks Sydow,2002 Mac OS X Programming Techniques provides the reader with definitions, details, and explanations of the various components that make up this new operating system. Understanding the operating system helps the reader use the programming tools and the Carbon application programming interface (API)--both of which are covered extensively in this book. Much of the original programming API (now referred to as the Classic API) is still usable. But it's been revamped and renamed--it's now the Carbon API. This modified set of functions includes plenty of new routines that make a Mac programmer's work easier and more powerful--provided that the programmer knows how to make use of the new code. The reader learns about the all new Carbon Event

Manager, as well as the changes and enhancements that have been made to existing managers (such as the Window Manager and the Menu Manager). Readers new to Mac programming will appreciate the journey that takes them from the start of a new Macintosh project to the final building of a standalone Mac OS X application. Readers experienced in programming the Mac will find this same material of great interest--and these readers will benefit from the lengthy section on porting existing Mac OS 8 and 9 applications to Mac OS X. Finally, readers will appreciate the Carbon API reference section that provides information and example code for dozens of the most commonly used Carbon routines. All the code developed in the book will be available on www.newriders.com.

Programming Machine Learning Paolo Perrotta,2020-03-31 You've decided to tackle machine learning - because you're job hunting, embarking on a new project, or just think self-driving cars are cool. But where to start? It's easy to be intimidated, even as a software developer. The good news is that it doesn't have to be that hard. Master machine learning by writing code one line at a time, from simple learning programs all the way to a true deep learning system. Tackle the hard topics by breaking them down so they're easier to understand, and build your confidence by getting your hands dirty. Peel away the obscurities of machine learning, starting from scratch and going all the way to deep learning. Machine learning can be intimidating, with its reliance on math and algorithms that most programmers don't encounter in their regular work. Take a hands-on approach, writing the Python code yourself, without any libraries to obscure what's really going on. Iterate on your design, and add layers of complexity as you go. Build an image recognition application from scratch with supervised learning. Predict the future with linear regression. Dive into gradient descent, a fundamental algorithm that drives most of machine learning. Create perceptrons to classify data. Build neural networks to tackle more complex and sophisticated data sets. Train and refine those networks with backpropagation and batching. Layer the neural networks, eliminate overfitting, and add convolution to transform your neural network into a true deep learning system. Start from the beginning and code your way to machine learning mastery. What You Need: The examples in this book are written in Python, but don't worry if you don't know this language: you'll pick up all the Python you need very quickly. Apart from that, you'll only need your computer, and your code-adept brain.

The C Toolbox William James Hunt,1985

Turbo Pascal Toolbox--a Programmer's Guide Paul Garrison,1987

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Dissenting Statement of Gilinsky and. Macfarlane," Review of DOE's Nuclear Energy Research and De- ... Nuclear Power Economics and Security – Page 6 – NPEC The minority opinion is part of the recently released study, Review of DOE's Nuclear Energy Research and Development. Dr. Gilinsky, a former NPEC senior ... Free Executive Summary A Minority Opinion: Dissenting Statement of Gilinsky and Macfarlane. 73. B Minority Opinion: An Alternative to Technology Proposed for GNEP,. 77. Offered by ... 255 III. NUCLEAR PROLIFERATION "Minority Opinion: Dissenting Statements of Gilinsky and. Macfarlane," pp. A1 ... On these points, see Victor Gilinsky, "Nuclear Consistency: "The U.S.-India ... ML13274A489.pdf ... Gilinsky served two terms. The Senate reconfirmed his nomination for a term ... Statement, he shall do so within sixty days of his receipt of a copy of the ... Download: Review of DOE's Nuclear Energy Research and ... Review of DOE's Nuclear Energy Research and Development Program ; Appendix A: Minority Opinion: Dissenting Statement of Gilinsky and Macfarlane, 73-76 ; Appendix ... BUS 499 - Strayer University, Washington Access study documents, get answers to your study questions, and

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