

Pro Windows Embedded Compact 7: Producing Device Drivers (Expert's Voice In Windows)

Rapid Prototyping of Digital Systems, Second Edition provides an exciting and challenging laboratory component for an undergraduate digital logic design class. The more advanced topics and exercises are also appropriate for consideration at schools that have an upper level course in digital logic or programmable logic. Design engineers working in industry will also want to consider this book for a rapid introduction to FPLD technology and logic synthesis using commercial CAD tools, especially if they have not had previous experience with the new and rapidly evolving technology. Two tutorials on the Altera CAD tool environment, an overview of programmable logic, and a design library with several easy-to-use input and output functions were developed for this book to help the reader get started quickly. Early design examples use schematic capture and library components. VHDL is used for more complex designs after a short introduction to VHDL-based synthesis. A coupon is included with the text for purchase of the new UP IX board. The additional logic and memory in the UP IX's FLEX 10K70 is useful on larger design projects such as computers and video games. The second edition includes an update chapter on programmable logic, new robot sensors and projects, optional Verilog examples, and a meta assembler which can be used to develop assemble language programs for the computer designs in Chapters 8 and 13.

bull; The Compact Framework brings familiar .NET development to mobile devices. **bull;** This technology enables millions of Microsoft programmers to develop Windows CE applications. **bull;** Written by two Microsoft Compact Framework team members.

Windows Embedded Compact 7 is the natural choice for developing sophisticated, small-footprint devices for both consumers and the enterprise. For this latest version, a number of significant enhancements have been made, most notably the ability to run multi-core processors and address more than the 512 MB of memory constraint in previous versions. Using familiar developer tools, Pro Windows Embedded Compact 7 will take you on a deep-dive into device driver development. You'll learn how to set up your working environment, the tools that you'll need and how to think about developing for small devices before quickly putting theory into practice and developing your own first driver from the ground up. As you delve deeper into the details of driver development, you'll learn how to master hardware details, deal with I/O and interrupts, work with networks, and test and debug your drivers ready for deployment—all in the company of an author who's been working with Windows CE for more than a decade. Packed with code samples, Pro Windows Embedded Compact 7 contains everything you'll need to start developing for small footprint devices with confidence.

This book strives to identify and introduce the durable intellectual ideas of embedded systems as a technology and as a subject of study. The emphasis is on modeling, design, and analysis of cyber-physical systems, which integrate computing, networking, and physical processes. With the second edition of this popular book, you'll learn how to build HTML5 and CSS3-based apps that access geolocation, accelerometer, multi-touch screens, off-line storage, and other features in today's smartphones, tablets, and feature phones. The market for mobile apps continues to evolve at a breakneck pace, and this book is the most complete reference available for the mobile web. Author and mobile development expert Maximiliano Firtman shows you how to develop a standard app core that you can extend to work with specific devices. This updated edition covers many recent advances in mobile development, including responsive web design techniques, off-line storage, mobile design patterns, and new mobile browsers, platforms, and hardware APIs. Learn the particulars and pitfalls of building mobile websites and apps with HTML5, CSS, JavaScript and responsive techniques Create effective user interfaces for touch devices and Different resolution displays Understand variations among iOS, Android, Windows Phone, BlackBerry, Firefox OS, and other mobile platforms Bypass the browser to create native web apps, ebooks, and PhoneGap applications Build apps for browsers and online retailers such as the App Store, Google Play Store, Windows Store, and App World

Help drive the next wave of smart, connected devices. Guided by two experts on Windows Embedded CE, you'll examine the core architecture, tools, and techniques that streamline the development process—and help get your ideas to market faster. Discover how to: Install the development environment and toolset Apply the device-planning practices that help optimize development time and resources Exploit the unified build system, including batch file and console utilities Use—or create—board support packages for hardware-specific code Dig into driver infrastructure, classes, and development processes Design and configure a custom runtime image Test and verify devices with the Windows Embedded CE Test Kit Create an SDK to extend your application to third-party developers

Windows 7 may be faster and more stable than Vista, but it's a far cry from problem-free. David A. Karp comes to the rescue with the latest in his popular Windows Announces series. This thorough guide gives you the tools you need to fix the troublesome parts of this operating system, plus the solutions, hacks, and timesaving tips to make the most of your PC. Streamline Windows Explorer, improve the Search tool, eliminate the Green Ribbon of Death, and tame User Account Control prompts Explore powerful Registry tips and tools, and use them to customize every aspect of Windows and solve its shortcomings Squeeze more performance from your hardware with solutions for your hard disk, laptop battery, CPU, printers, and more Stop crashes, deal with stubborn hardware and drivers, fix video playback issues, and troubleshoot Windows when it won't start Protect your stuff with permissions, encryption, and shadow copies Secure and speed up your wireless network, fix networking woes, make Bluetooth functional, and improve your Web experience Get nearly all of the goodies in 7 Ultimate, no matter which edition you have "Blunt, honest, and awesome." --Aaron Junod, Manager, Integration Systems at Evolution Benefits "This could be the best [money] you've ever spent." --Jon Jacob, PC World "To us Windows is to be annoyed...and this book is the best way to solve any annoyance you come across. It's the most comprehensive and entertaining guide you can get for turning Windows into an operating system that's a pleasure to use." --Preston Gralla, author of Windows Vista in a Nutsell, and Computerworld contributing editor

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tier object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that affects the development of the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology—from Smalltalk to CORBA to Java to .NET—the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. As well as detailed code examples and implementation information, as well as detailed code problems in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include :

Dividing an enterprise application into layers - The major approaches to organizing business logic - An in-depth treatment of mapping between objects and relational databases - Using Model-View-Controller to organize a Web presentation - Handling concurrency for data that spans multiple transactions - Designing distributed object interfaces

Microsoft Dynamics 365 Extensions Cookbook

Security Warrior

Learn Web Development with Rails

Windows 7 Device Driver

Professional Windows Embedded Compact 7

Setting the Table

Windows 7 Inside Out

Microsoft .NET Compact Framework

Producing Device Drivers

Tinkerced For Dummies

Troubleshooting with the Windows Sysinternals Tools

The free book “Fundamentals of Computer Programming with C#” is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from http://introprogramming.info. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: http://www.introprogramming.info License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, string, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

More than 800 recipes to help you leverage the various extensibility features available for Microsoft Dynamics and solve problems easily About This Book Customize, configure, and extend the vanilla features of Dynamics 365 to deliver bespoke CRM solutions fit for any organization Implement business logic using point-and-click configuration, plugins, and client-side scripts with MS Dynamics 365 Built a DevOps pipeline as well as Integrate Dynamics 365 with Azure and other platforms Who This Book Is For This book is for developers, administrators, consultants, and power users who want to learn about best practices when extending Dynamics 365 for enterprises. You are expected to have a basic understand of the Dynamics CRM/365 platform. What You Will Learn Customize, configure, and extend Microsoft Dynamics 365 Create business process automation Develop client-side extensions to add features to the Dynamics 365 user Interface Set up a security model to securely manage data with Dynamics 365 Develop and deploy clean code plugins to implement a wide range of custom behaviors Use third-party applications, tools, and patterns to integrate Dynamics 365 with other platforms Integrate with Azure, Java, SSIS, PowerBI, and Octopus Deploy Build an end-to-end DevOps pipeline for Dynamics 365 In Detail Microsoft Dynamics 365 is a powerful tool. It has many unique features that empower organisations to bridge common business challenges and testify quality pitfalls that would usually hinder the adoption of a CRM solution. This book sets out to enable you to harness the power of Dynamics 365 and cater to your unique circumstances. We start this book with a no-code configuration chapter and explain the schema, fields, and forms modeling techniques. We then move on to server-side and client-side custom code extensions. Next, you will see how best to integrate Dynamics 365 in a DevOps pipeline to package and deploy your extensions to the various SDC environments. This book also covers modern libraries and integration patterns that can be used with Dynamics 365 (Angular, 3 tiers, and many others). Finally, we end by highlighting some of the powerful extensions available. Throughout we explain a range of design patterns and techniques that can be used to enhance your code quality; the aim is that you will learn to write enterprise-scale quality code. Style and approach This book takes a recipe-based approach, delivering practical examples and use cases so that you can identify the best possible approach to extend your Dynamics 365 deployment and tackle your specific business problems.

Coverage in this guide includes - Introduction to Windows CE programming; - Memory management; - Input - keyboard, touch screen, and menus; - Processes and threads; - Files, databases, and the registry; - Windows networking and IrSock; - The Remote API (RAPi); - Notifications; - The Explorer Shell; - Programming and extending the Pocket PC; - Power Management; - Pocket PC Today screen extensions; - Output - basic drawing and text support; - The Game API (GAPI); - Windows, controls, and dialog boxes; - Windows CE device drivers.

"Raymond Chen is the original rafter of Windows." –Scott Hanselman, ComputerZen.com "Raymond has been at Microsoft for many years and has seen many nuances of Windows that others could only ever hope to get a glimpse of. With this book, Raymond shares his knowledge, experience, and anecdotal stories, allowing all of us to get a better understanding of the operating system that affects millions of people every day. This book has something for everyone, is a casual read, and I highly recommend it!" –Jeffrey Richter, Author/Consultant, Co-founder of Wintellect "Very interesting read. Raymond tells the inside story of why Windows is the way it is." –Eric Gunnerson, Program Manager, Microsoft Corporation "Absolutely essential reading for understanding the history of Windows, its intricacies and quirks, and why they came about." –Matt Pietrek, MSDN Magazine's Under the Hood Columnist "Raymond Chen has become something of a legend in the software industry, and in this book you'll discover why. From his high-level reminiscences on the design of the Windows Start button to his low-level discussions of GlobalAlloc that only your inner-geek could love, The Old New Thing is a captivating collection of anecdotes that will help you to truly appreciate the difficulty inherent in designing and writing quality software." –Stephen Toub, Technical Editor, MSDN Magazine Why does Windows work the way it does? Why is Shut Down on the Start menu? (And why is there a Start button, anyway?) How can I tap into the dialog loop? Why does the GetWindowText function behave so strangely? Why are registry files called "hives"? Many of Windows' quirks have perfectly logical explanations, rooted in history. Understand them, and you'll be more productive and a lot less frustrated. Raymond Chen—who's spent more than a decade on Microsoft's Windows development team—reveals the "hidden Windows" you need to know. Chen's engaging style, deep insight, and thoughtful humor have made him one of the world's premier technology bloggers. Here he brings together behind-the-scenes explanations, invaluable technical advice, and illuminating anecdotes that bring Windows to life—and help you make the most of it. A few of the things you'll find inside: What vending machines can teach you about effective user interfaces A deeper understanding of window and dialog management Why performance optimization can be so counterintuitive A peek at the underbelly of COM objects and the Visual C++ compiler Key details about backwards compatibility—what Windows does and why Windows Program security holes most developers don't know about How to make your program a better Windows citizen

In October 1985, at age twenty-seven, Danny Meyer, with a good idea and scant experience, opened what would become one of New York City's most revered restaurants—Union Square Cafe. Little more than twenty years later, Danny is the CEO of one of the world's most dynamic restaurant organizations, which includes eleven unique dining establishments, each at the top of its game. How has he done it? How has he consistently beaten the odds and set the competitive bar in one of the toughest trades around? In this landmark book, Danny shares the lessons he's learned while developing the winning recipe for doing the business he calls "enlightened hospitality." This innovative philosophy emphasizes putting the power of hospitality to work in a new and counterintuitive way: The first and most important application of hospitality is to the people who work for you, and then, in descending order of priority, to the guests, the community, the suppliers, and the investors. This way of prioritizing stands the more traditional business models on their heads, but Danny considers it the foundation of every success that he and his restaurants have achieved. Some of Danny's other insights: Hospitality is present when something happens for you. It is absent when something happens to you. These two simple concepts—for and to—express it all. Context, context, context, trumps the outdated location, location, location. Shared ownership develops when guests talk about a restaurant as if it's theirs. That sense of affiliation builds trust and invariably leads to repeat business. Err on the side of generosity: You get more by first giving more. Wherever your center lies, know it, name it, believe in it. When you cede your core values to someone else, it's time to quit. Full of behind-the-scenes history on the creation of Danny's most famous restaurants and the anecdotes, advice, and lessons he has accumulated on his long and ecstatic journey to the top of the American restaurant scene, Setting the Table is a treasure trove of innovative insights that are applicable to any business or organization.

"This book is the best way for beginning developers to learn wxWidgets programming in C++. It is a must-have for programmers thinking of using wxWidgets and those already using it." –Mitch Kapor, founder of Lotus Software and the Open Source Applications Foundation Build advanced cross-platform applications that support native look-and-feel on Windows, Linux, Unix, Mac OS X, and even Pocket PC Master wxWidgets from start to finish—even if you've never built GUI applications before Leverage advanced wxWidgets capabilities: networking, multithreading, streaming, and more Foreword by Mitch Kapor, founder, Lotus Development and Open Source Application Foundation wxWidgets is an easy-to-use, open source C++ API for writing GUI applications that run on Windows, Linux, Unix, Mac OS X, and even Pocket PC—supporting each platform's native look and feel with virtually no additional coding. Now, its creator and two leading developers teach you all you need to know to write robust cross-platform software with wxWidgets. This book covers everything from dialog boxes to drag-and-drop, from networking to multithreading. It includes all the tools and code you need to get great results, fast. From AMD to AOL, Lockheed Martin to Xerox, world-class developers are using wxWidgets to save money, increase efficiency, and reach new markets. With this book, you can, too. wxWidgets quickstart: event/input handling, window layouts, drawing, printing, dialogs, and more Working with window classes, from simple to advanced Memory management, debugging, error checking, internationalization, and other advanced topics Includes extensive code samples for Windows, Linux (GTK+), and Mac OS X

Get a head start deploying Windows 10—with tips and best practices from experts in the field. This guide shows you how to deploy Windows 10 in an automated way without impacting end users by leveraging System Center Configuration Manager, which is the most used product to deploy Microsoft operating systems in the industry today.

Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Managing Cover Crops Profitably (3rd Ed.)

Introducing Microsoft Power BI

Fowler

Windows IT Pro/RE

Pervasive Computing Handbook

Programming the Mobile Web

Practical Development Throughout the Evolution of Windows. The

Introduction to Embedded Systems – A Cyber Physical Systems Approach - Second Edition

Rapid Prototyping of Digital Systems

Pattern Enterp. Applicat.

Essentials of Computer Organization and Architecture

Today's market for mobile apps goes beyond the iPhone to include BlackBerry, Nokia, Windows Phone, and smartphones powered by Android, webOS, and other platforms. If you're an experienced web developer, this book shows you how to build a standard app core that you can extend to work with specific devices. You'll learn the particulars and pitfalls of building mobile apps with HTML, CSS, and other standard web tools. You'll also explore platform variations, finicky mobile browsers, Ajax design patterns for mobile, and much more. Before you know it, you'll be able to create mashups using Web 2.0 APIs in apps for the App Store, App World, OVI Store, Android Market, and other online retailers. Learn how to use your existing web skills to move into mobile development Discover key differences in mobile app design and navigation, including touch devices Use HTML, CSS, JavaScript, and Ajax to create effective user interfaces in the mobile environment Learn about technologies such as HTML5, XHTML MP, and WebKit extensions Understand variations of platforms such as Symbian, BlackBerry, webOS, Bada, Android, and iOS for iPhone and iPad Bypass the browser to create offline apps and widgets using web technologies

Acclaimed crime writer Elizabeth Hand returns to her "terribly frightening yet hauntingly beautiful" cult-favorite series: Photographer Cass Neary is hard-up for cash and in more danger than she realizes on the hunt for an ancient, legendary book (Tess Gerritsen). Photographer Cass Neary is desperate to get home, and she's already lost her camera — like losing a limb. Now her only chance is to cash in on a deal that a friend is about to cut for a legendary illuminated manuscript: The Book of Lamps and Banners. Rumored to have been rescued from the Library at Alexandria, the Book is said to contain ancient esoteric knowledge, even an otherworldly power. So when an intruder brazenly steals the manuscript, Cass and her ex-con lover Quinn must get it back—plunging headlong into a shady underworld where antiquarian booksellers, unhinged tech entrepreneurs, and brutal nationalists all converge. This breathless psychological thriller, featuring one of the greatest amateur sleuths of the past decade, could only come from the mind of Elizabeth Hand. "Kaleidoscopic, dark, and mysterious . . . This novel is a jaw-punch, written with a startling grace." -- Paul Tremblay, author of The Cabin at the End of the World "I love Cass Neary . . . Her latest misadventure is vivid and haunting, bridging the ancient and occult with the unboty frights of the modern world." *Steph Cha, author of Your House Will Pay *Elizabeth Hand has delivered a startling book that is dirty, wise, aching, and almost magical."*Tzy Pochoda, author of These Women

Create in 3D with Tinkercad! If you can dream it, you can create it—using Tinkercad. This free tool gives everyone the power to create 3D models, regardless of your level of experience. With the help of Tinkercad For Dummies, you'll have the knowledge you need to plan your design, and the information you need to print or export your designs to use them elsewhere. Tinkercad is for everyone! It's simple enough to be used by kids and students, but robust enough that an adult could use it to create a complex product prototype. With more than 4 million designs posted in the Tinkercad community, the platform is also popular with teachers around the world. Why not join in on the fun? Create your Tinkercad account and join the community. Use the drag-and-drop tools to build 3D images Export your designs to have them 3D printed Learn the principles of great 3D design Tinkercad is truly fun for all ages, and this hands-on guide makes it faster and easier to start using it right away!

Windows 8.1 IN DEPTH too more in less time! Experienced with Windows? Don't let Windows 8.1 make you feel like a beginner again! This book is packed with intensely useful knowledge you won't find anywhere else. Full of new tips and shortcuts, it's the fastest, best way to master Windows 8.1's full power, get comfortable with its radically different interface, and leverage its new tools for everything from business to video, security to social networking! • Take a quick guided tour of everything that's new in Windows 8.1 • Survive without the Start menu • Navigate the Windows 8.1 interface (and customize it to make yourself more comfortable) • Learn hidden shortcuts you won't never find on your own • Quickly locate and use files, media, apps, websites and management tools • Set up your Web connection, and discover Internet Explorer 11's latest improvements • Get comfortable with Windows 8.1's built-in apps, from Calendar and Finance to Weather and Windows Store • Save time by monitoring Facebook, Twitter, and LinkedIn through one unified app • Make the most of Windows' supercharged media and imaging tools • Profit from Windows' built-in support for business presentations • Maximize the performance and efficiency of hardware, storage, and software • Protect yourself from viruses, spyware, data theft, fraud, spam, hackers, and snoops • Use SkyDrive to access your data from anywhere—and use Remote Desktop to access your computer, too • Get even more power with Windows 8.1's command-line interface • Use Hyper-V to run other operating systems alongside Windows • Troubleshoot the most common Windows 8.1's problems—and the toughest ones In Depth offers: • Comprehensive coverage, with detailed solutions • Breakthrough techniques and shortcuts that are unavailable elsewhere • Practical, real-world examples with nothing glossed over or left out • Troubleshooting help for tough problems you can't fix on your own • Outstanding authors recognized worldwide for their expertise and teaching styles • Quick information via sidebars, tips, reminders, notes, and warnings In Depth is the only tool you need to get more done in less time! CATEGORY: Windows Operating System COVERS: Microsoft® Windows 8.1

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. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

Cover crops slow erosion, improve soil, smother weeds, enhance nutrient and moisture availability, help control many pests and bring a host of other benefits to your farm. At the same time, they can reduce costs, increase profits and even create new sources of income. You'll reap dividends on your cover crop investments for years, since their benefits accumulate over the long term. This book will help you find which ones are right for you. Captures farmer and other research results from the past ten years. The authors verified the info, from the 2nd ed., added new results and updated farmer profiles and research data, and added 2 chap. Includes maps and charts, detailed narratives about individual cover crop species, and chap. about aspects of cover cropping.

"We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document." —Sumith Chintala, co-creator of PyTorch Key Features Written by PyTorch's creator and key contributors Develop deep learning models in a familiar Pythonic way Use PyTorch to build an image classifier for cancer detection Diagnose problems with your neural network and improve training with data augmentation Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep learning without sacrificing advanced features. It's great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you'll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks. What You Will Learn Understanding deep learning data structures such as tensors and neural networks Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results Implementing modules and loss functions Utilizing pretrained models from PyTorch Hub Methods for training networks with limited inputs Sifting through unreliable results to diagnose and fix problems in your neural network Improve your results with augmented data, better model architecture, and fine tuning This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required. About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART I - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a neural network to find the 7 Telling birds from airplanes: Learning from images and CEO convolutions to generalize PART 2 - LEARNING FROM IMAGES IN THE REAL WORLD: EARLY DETECTION OF LUNG CANCER 9 Using PyTorch to fight cancer 10 Combining data sources into a unified dataset 11 Training a classification model to detect suspected tumors 12 Improving training with metrics and augmentation 13 Using segmentation to find suspected nodules 14 End-to-end node analysis, and where to go next PART 3 - DEPLOYMENT 15 Deploying to production

The first authoritative guide to programming Windows 7 device drivers: save time, save money, and write more reliable drivers • Shows experienced programmers how to make the most of Microsoft's latest and most powerful models and tools for Windows 7 driver development, including C# and Visual Studio 2010. • Thoroughly covers Microsoft's Windows Driver Foundation (WDF) Architecture. • There are no other books, and little information anywhere, about Windows 7 device drivers. This is the only comprehensive, state-of-the-art guide to writing Windows 7 device drivers. Written by Ronald Reeves, one of the field's leading experts, Windows 7 Device Driver Book helps experienced developers make the most of the powerful new tools and models Microsoft has made available for driver development. Reeves provides an extensive collection of sample code on CDROM, as well as best-practice guidance for maximizing reliability and performance. Reeves shows how C# and Visual Studio 2010 can be used to develop device drivers more rapidly, and debug them more effectively. He covers a broad array of topics, including both kernel- and user-mode driver development; Windows Driver Foundation (WDF) architecture, and much more. From start to finish, this book is designed to significantly reduce the time it takes for device driver programmers to find the information they need -- and then apply that information in reliable, production code.

Old New Thing

Being Arthur: Golding's Translation of the Metamorphoses

Mobile .NET

Deep Learning with PyTorch

Programming .NET Compact Framework 3.5

The Book of Lamps and Banners

Shakespeare's Ovid

Kick Start

Programming Embedded Systems

Deploying Windows 10

With C and GNU Development Tools

Windows IT Pro/RE - профессиональное издание на русском языке, целиком и полностью посвященное вопросам работы с продуктами семейства Windows и технологиям компании Microsoft. Журнал предназначен для системных администраторов и разработчиков.В номере:Тема номера:Отслеживание изменений в SQL Server 2012Виртуализация SQL Server: 8 ошибок, которых можно избежатьКосвенные контрольные точки в SQL Server 2012Важные особенности SQL Server AlwaysOnOffice systemЗачем нужен мониторинг системы Microsoft Lync Server 2013?ЛабораторияИнтегральный анализ данных Predixion InsightВводный курсСоветы пользователей Windows 8.1БезопасностьРезервное копирование iPhone мессенджер другое

Explaining how to use the new features of Windows 7, a comprehensive manual details hundreds of timesaving solutions, troubleshooting tips, and workarounds, along with information on such topics as Internet Explorer 8, Windows Media Center, networking, and security.

Optimize Windows system reliability and performance with Sysinternals IT pros and power users consider the free Windows Sysinternals tools indispensable for diagnosing, troubleshooting, and deeply understanding the Windows platform. In this extensively updated guide, Sysinternals creator Mark Russinovich and Windows expert Aaron Margosis help you use these powerful tools to optimize any Windows system's reliability, efficiency, performance, and security. The authors first explain Sysnternals' capabilities and help you get started fast. Next, they offer in-depth coverage of each major tool, from Process Explorer and Process Monitor to Sysinternals' security and file utilities. Then, building on this knowledge, they show the tools being used to solve real-world cases involving error messages, hangs, sluggishness, malware infections, and much more. Windows Sysinternals creator Mark Russinovich and Aaron Margosis show you how to: Use Process Explorer to display detailed process and system information Use Process Monitor to capture low-level system events, and quickly filter the output to narrow down root causes List, categorize, and manage software that starts when you start or sign in to your computer, or when you run Microsoft Office or Internet Explorer Verify digital signatures of files, of running programs, and of files loaded in those programs Use Autotrans, Process Explorer, Sigcheck, and Process Monitor features that can identify and clean malware infestations Inspect permissions on files, keys, services, shares, and other objects Use Sysmon to monitor security-relevant events across your network Generate memory dumps when a process meets specified criteria Execute processes remotely, and close files that were opened remotely Manage Active Directory objects and trace LDAP API calls Capture detailed data about processors, memory, and clocks Troubleshoot unbootable devices, file-in-use errors, unexplained communication, and many other problems Understand Windows core concepts that aren't well-documented elsewhere

Describes the various types of wireless Internet devices—including those supported by .NET, Palm OS, and J2ME—and explains how to use .NET as a development platform to create custom web applications that work with all wireless technologies. Original. (Intermediate) 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/.

Bestselling text, The Essentials of Computer Organization and Architecture, Fourth Edition, is comprehensive enough to address all necessary organization and architecture topics, but concise enough to be appropriate for a single-term course. Its focus on real-world examples and practical applications encourages students to develop a "big-picture" understanding of how essential organization and architecture concepts are applied in the

computing world. In addition to direct correlation with the ACM/IEEE guidelines for computer organization and architecture, the text exposes readers to the inner workings of a modern digital computer through an integrated presentation of fundamental concepts and principles.

Tiffany details how to make SQL Server data available to mobile employees. He walks readers through the process of building a four-tier mobile synchronization architecture designed to scale to thousands of users. (Computer Books)

[The Transforming Power of Hospitality in Business](#)

[A Tutorial Approach](#)

[Fundamentals of Computer Programming with C#](#)

[Reaching Users on iPhone, Android, BlackBerry, Windows Phone, and more](#)

[Windows Mobile Data Synchronization with SQL Server 2005 and SQL Server Compact 3.1](#)

[Software-Defined Radio for Engineers](#)

[Pro Windows Embedded Compact 7](#)

[Cross-Platform GUI Programming with wxWidgets](#)

[Tips, Secrets, and Solutions](#)

[Automating deployment by using System Center Configuration Manager](#)

[DICOM Structured Reporting](#)

This book is a guide for the world of Pervasive Computing. It describes a new class of computing devices which are becoming omnipresent in every day life. They make information access and processing easily available for everyone from anywhere at any time. Mobility, wireless connectivity, di- versity, and ease-of-use are the magic keywords of Pervasive Computing. The book covers these front-end devices as well as their operating systems and the back-

end infrastructure which integrate these pervasive components into a seamless IT world. A strong emphasis is placed on the underlying technologies and standards applied when building up pervasive solutions. These fundamental topics include commonly used terms such as XML, WAP, UMTS, GPRS, Bluetooth, Jini, transcoding, and cryptography, to mention just a few. Besides a comprehensive state-of-the-art description of the Pervasive Computing technology

itself, this book gives an overview of today's real-life applications and accompanying service offerings. M-Commerce, e-Business, networked home, travel, and finance are exciting examples of applied Pervasive Computing.

"If you're interested in developing for this burgeoning platform, there is no one better able to get you up-to-speed." –From the Foreword by Rob Tiffany, mobility architect, Microsoft Completely revised and updated for .NET Compact Framework 2.0 and 3.5, Visual Studio 2008, and Windows Mobile Smart Phones, Programming .NET Compact Framework 3.5, Second Edition, teaches you how to write highly effective applications for handheld wireless devices with

small screens, limited memory, and finite battery life. This book is the definitive tutorial and reference for the .NET Compact Framework and Windows Mobile. If you're interested in developing for this burgeoning platform, there is no one better able to get you up to speed than industry veterans, master programmers, and teachers Paul Yao and David Durant. With this book you will learn how to Use each of the ten API sets available for Windows Mobile:

when to use each; and, especially, when to use Win32 and the .NET Compact Framework 2.0 and 3.5 Write programs that make the most of a Windows Mobile device's limited battery life Efficiently invoke Win32 APIs from the .NET Compact Framework Write exceptional, data-driven applications using data binding and .NET controls Manage device data with the object store, file I/O, and the registry Work with databases using ADO.NET and LINQ Synchronize mobile

data with remote databases and the remote API Make a mobile device work with the Windows Communication Foundation (WCF) Create graphical output on Windows Mobile devices If you want to learn Windows Mobile development but only have limited experience with the .NET Framework, this is the only book you need.

Learn to program an array of customized devices and solutions As a compact, highly efficient, scalable operating system, Windows Embedded Compact 7 (WEC7) is one of the best options for developing a new generation of network-enabled, media-rich, and service-oriented devices. This in-depth resource takes you through the benefits and capabilities of WEC7 so that you can start using this performance development platform today. Divided into several major

sections, the book begins with an introduction and then moves on to coverage of OS design, application development, advanced application development, how to deploy WEC7 devices, and more. Examines the benefits of Windows Embedded Compact 7 (WEC7) Reviews the various elements of OS design, including configuring and building a customized OS runtime image, using debugging and remote tools, and more Explains how to develop native code applications with

Visual Studio 2010, develop database applications with SQL server compact, and use the application deployment option Discusses how to deploy a WEC device, use the boot loader, launch WEC using BIOSloader, and deploy a WEC power toy If you're interested in learning more about embedded development or you're seeking a higher performance development platform, then this is the book for you.

When it comes to network security, many users and administrators are running scared, and justifiably so. The sophistication of attacks against computer systems increases with each new Internet worm.What's the worst an attacker can do to you? You'd better find out, right? That's what Security Warrior teaches you. Based on the principle that the only way to defend yourself is to understand your attacker in depth, Security Warrior reveals how your

systems can be attacked. Covering everything from reverse engineering to SQL attacks, and including topics like social engineering, antiforensics, and common attacks against UNIX and Windows systems, this book teaches you to know your enemy and how to be prepared to do battle.Security Warrior places particular emphasis on reverse engineering. RE is a fundamental skill for the administrator, who must be aware of all kinds of malware that can be

installed on his machines -- trojane binaries, "spyware" that looks innocuous but that sends private data back to its creator, and more. This is the only book to discuss reverse engineering for Linux or Windows CE. It's also the only book that shows you how SQL injection works, enabling you to inspect your database and web applications for vulnerability.Security Warrior is the most comprehensive and up-to-date book covering the art of computer war:

attacks against computer systems and their defenses. It's often scary, and never comforting. If you're on the front lines, defending your site against attackers, you need this book. On your shelf--and in your hands.

[Windows Embedded CE 6.0 Fundamentals](#)

[Professional Microsoft Smartphone Programming](#)

[The Bulgarian C# Book](#)

[Ruby on Rails Tutorial](#)

[Programming Microsoft Windows CE](#)

[Windows 8.1 In Depth](#)

[Windows 7 Annoyances](#)