

CLR Via C

CLR via C#

Dig deep and master the intricacies of the common language runtime, C#, and .NET development. Led by programming expert Jeffrey Richter, a longtime consultant to the Microsoft .NET team - you'll gain pragmatic insights for building robust, reliable, and responsive apps and components. Fully updated for .NET Framework 4.5 and Visual Studio 2012 Delivers a thorough grounding in the .NET Framework architecture, runtime environment, and other key topics, including asynchronous programming and the new Windows Runtime Provides extensive code samples in Visual C# 2012 Features authoritative, pragmatic guidance on difficult development concepts such as generics and threading

Windows Runtime via C#

Delve inside the Windows Runtime - and learn best ways to design and build Windows Store apps. Guided by Jeffrey Richter, a recognized expert in Windows and .NET programming, along with principal Windows consultant Maarten van de Bospoort, you'll master essential concepts. And you'll gain practical insights and tips for how to architect, design, optimize, and debug your apps. With this book, you will: Learn how to consume Windows Runtime APIs from C# Understand the principles of architecting Windows Store apps See how to build, deploy, and secure app packages Understand how apps are activated and the process model controlling their execution Study the rich features available when working with files and folders Explore how to transfer, compress, and encrypt data via streams Design apps that give the illusion of running using live tiles, background transfers, and background tasks Share data between apps using the clipboard and the Share charm Get advice for monetizing your apps through the Windows Store About This Book Requires working knowledge of Microsoft .NET Framework, C#, and the Visual Studio IDE Targeted to programmers building Windows Store apps Some chapters also useful to those building desktop apps Technologies Covered Windows 8.1 Microsoft Visual Studio 2013

Windows® via C/C++

Master the intricacies of application development with unmanaged C++ code—straight from the experts. Jeffrey Richter's classic book is now fully revised for Windows XP, Windows Vista, and Windows Server 2008. You get in-depth, comprehensive guidance, advanced techniques, and extensive code samples to help you program Windows-based applications. Discover how to: Architect and implement your applications for both 32-bit and 64-bit Windows Create and manipulate processes and jobs Schedule, manage, synchronize and destroy threads Perform asynchronous and synchronous device I/O operations with the I/O completion port Allocate memory using various techniques including virtual memory, memory-mapped files, and heaps Manipulate the default committed physical storage of thread stacks Build DLLs for delay-loading, API hooking, and process injection Using structured exception handling, Windows Error Recovery, and Application Restart services

Windows Internals

See how the core components of the Windows operating system work behind the scenes—guided by a team of internationally renowned internals experts. Fully updated for Windows Server(R) 2008 and Windows Vista(R), this classic guide delivers key architectural insights on system design, debugging, performance, and support—along with hands-on experiments to experience Windows internal behavior firsthand. Delve inside Windows architecture and internals: Understand how the core system and management mechanisms

work—from the object manager to services to the registry Explore internal system data structures using tools like the kernel debugger Grasp the scheduler's priority and CPU placement algorithms Go inside the Windows security model to see how it authorizes access to data Understand how Windows manages physical and virtual memory Tour the Windows networking stack from top to bottom—including APIs, protocol drivers, and network adapter drivers Troubleshoot file-system access problems and system boot problems Learn how to analyze crashes

Windows Internals, Part 1

Delve inside Windows architecture and internals—and see how core components work behind the scenes. Led by three renowned internals experts, this classic guide is fully updated for Windows 7 and Windows Server 2008 R2—and now presents its coverage in two volumes. As always, you get critical insider perspectives on how Windows operates. And through hands-on experiments, you'll experience its internal behavior firsthand—knowledge you can apply to improve application design, debugging, system performance, and support. In Part 1, you will: Understand how core system and management mechanisms work—including the object manager, synchronization, Wow64, Hyper-V, and the registry Examine the data structures and activities behind processes, threads, and jobs Go inside the Windows security model to see how it manages access, auditing, and authorization Explore the Windows networking stack from top to bottom—including APIs, BranchCache, protocol and NDIS drivers, and layered services Dig into internals hands-on using the kernel debugger, performance monitor, and other tools

Framework Design Guidelines

This is the eBook version of the print title, *Framework Design Guidelines, Second Edition*. Access to all the samples, applications, and content on the DVD is available through the product catalog page www.informit.com/title/9780321545619 Navigate to the “Downloads” tab and click on the “DVD Contents” links - see instructions in back pages of your eBook. *Framework Design Guidelines, Second Edition*, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting—and guidelines for ensuring—extensibility How (and how not) to design exceptions Guidelines for—and examples of—common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. *Framework Design Guidelines, Second Edition*, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the *Designing .NET Class Libraries* video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

CLR Via C#

Dig deep and master the intricacies of the common language runtime (CLR) and the .NET Framework. Written by a highly regarded programming expert and consultant to the Microsoft .NET team, this guide is

ideal for developers building any kind of application--including Microsoft ASP.NET, Windows Forms, Microsoft SQL Server, Web services, and console applications. You'll get hands-on instruction and extensive code C# code samples to help you tackle the tough topics and develop high-performance applications. Discover how to: Build, deploy, administer, and version applications, components, and shared assemblies Design types using constants, fields, constructors, methods, properties, and events Work effectively with the CLR's special types including enumerators, arrays, and strings Declare, create, and use delegates to expose callback functions Define and employ re-usable algorithms with interfaces and generics Define, use, and detect custom attributes Use exception handling to build robust, reliable, and security-enhanced components Manage memory automatically with the garbage collector and work with native resources Apply CLR Hosting, AppDomains, assembly loading, and reflection to build dynamically extensible applications PLUS-- Get code samples on the Web

PDP-11 Assembler Language Programming and Machine Organization

This book is devoted to the PDP-11 computer, manufactured by the Digital Equipment Corporation. Computer programming is a practical art that is to be bolstered by theoretical wisdom but developed as a skill by continual practice. The approach of this book is that the reader will be writing complete programs (albeit rather trivial ones) at the earliest possible stage. There are no prerequisites, no prior experience with or theoretical knowledge of computers. The text can be used by beginning or advanced PDP-11 users. Beginning with encoding a great variety of small, individual tasks which are then utilized in building larger, complete programs using these individual blocks, or modules.

Programming Microsoft Dynamics CRM 4.0

Get answers to common questions about setting up the design environment and building custom solutions with Microsoft Dynamics CRM. Delve into core architecture, tools, and techniques, and learn how to exploit powerful customization features. Authored by industry-leading experts, this book shows how to deliver intelligent CRM solutions that meet the unique challenges and requirements of your business. Discover how to: Set up the development environment Enhance the product's APIs with your own code Execute business logic using plug-ins Build custom workflows that extend native workflow functions Create user-friendly integration with scripts and application extensions Code custom pages optimized for Microsoft Outlook with Offline Access Extend Microsoft Dynamics CRM using ASP.NET Create advanced Windows Workflow Foundation solutions Extend multilingual and multicurrency features Construct a custom security-access solution Get code samples on the Web.

Newnes Digital Logic IC Pocket Book

This handy reference guide to modern '74'- series and '4000'- series digital ICs presents 620 useful and carefully selected circuits, diagrams, graphs and tables, supported by informative text and captions. Detailed descriptions of and practical applications information on more than 185 TTL and CMOS ICs are provided. This wealth of information is clearly and logically arranged so that specific information can be quickly and easily located. Fifteen chapters cover from IC basics and TTL and CMOS principles, to the practical circuitry of logic ICs, waveform generators and multiplexers. While aimed at practical design engineers and technicians, this pocket book will also be of use to amateurs and students of electronics. The subject is dealt with in a readable and essentially non-mathematical manner, with the emphasis on practical 'user' information and circuitry.

Wonderpedia / NeoPopRealism Archive 2010

Wonderpedia offers the books reviews, while NeoPopRealism Journal publishes news, views and other information additionally to the books reviews. These publications were founded by Nadia RUSS in 2007 and 2008, in new York City.

Net Common Language Runtime Unleashed

The .NET Framework provides a runtime environment called the Common Language Runtime, which manages the execution of code and provides services that make the development of robust software easier. The Common Language Runtime (CLR) provides a solid foundation for developers to build various types of applications. Whether a developer is writing an ASP.NET application, a Windows Forms application, a Web Service, a mobile code application, a distributed application, or an application that combines several of these application models, the CLR provides huge benefits such as simplified development and the ability to integrate code written in various languages. This book is a high-end comprehensive reference to the capability of the CLR. The samples in the book have been written so that they not only illustrate a principle but give the reader a springboard to quickly translate the sample to practical, real-world applications. After reading this book, readers will be able to significantly increase their productivity by comfortably using the power and expressiveness of the Common Language Runtime in their applications. This book will take the reader beyond the syntax of C# to using and understanding the CLR to build secure, maintainable, and high performance applications.

LINQ in Action

LLINQ, Language INtegrated Query, is a new extension to the Visual Basic and C# programming languages designed to simplify data queries and database interaction. It addresses O/R mapping issues by making query operations like SQL statements part of the programming language. It also offers built-in support for querying in-memory collections like arrays or lists, XML, DataSets, and relational databases. LINQ in Action is a fast-paced, comprehensive tutorial for professional developers. This book explores what can be done with LINQ, shows how it works in an application, and addresses the emerging best practices. It presents the general purpose query facilities offered by LINQ in the upcoming C# 3.0 and VB.NET 9.0 languages. A running example introduces basic LINQ concepts. You'll then learn to query unstructured data using LINQ to XML and relational data with LINQ to SQL. Finally, you'll see how to extend LINQ for custom applications. LINQ in Action will guide you along as you explore this new world of lambda expressions, query operators, and expression trees. As well, you'll explore the new features of C# 3.0, VB.NET 9.0. The book is very practical, anchoring each new idea with running code. Whether you want to use LINQ to query objects, XML documents, or relational databases, you will find all the information you need to get started. But LINQ in Action does not stop at the basic code. This book also shows you how LINQ can be used for advanced processing of data, including coverage of LINQ's extensibility, which allows querying more data sources than those supported by default. All code samples are built on a concrete business case. The running example, LinqBooks, is a personal book cataloging system that shows you how to create LINQ applications with Visual Studio 2008. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Programming in the .NET Environment

Not only does this book describe the goals and architecture of the .NET Framework, but it also demonstrates how it implements facilities and services to meet these goals. This book shows developers how to produce generic frameworks, libraries, classes, and tools to be used in the .NET Framework.

Microsoft SQL Server 2005 Analysis Services Step by Step

CD-ROM includes practice exercises and e-book.

Computing and Combinatorics

The papers in this volume were selected for presentation at the 15th Annual International Computing and

Combinatorics Conference (COCOON 2009), held during July 13-15, 2009 in Niagara Falls, New York, USA. Previous meetings of this conference were held in Xian (1995), Hong Kong (1996), Shanghai (1997), Taipei (1998), Tokyo (1999), Sydney (2000), Guilin (2001), Singapore (2002), Big Sky (2003), Jeju Island (2004), Kunming (2005), Taipei (2006), Alberta (2007), and Dalian (2008). In response to the Call for Papers, 125 extended abstracts (not counting withdrawn papers) were submitted from 28 countries and regions, of which 51 were accepted. Authors of the submitted papers were from Cyprus (1), The Netherlands (1), Bulgaria (1), Israel (1), Vietnam (2), Finland (1), Puerto Rico (2), Australia (4), Norway (4), Portugal (1), Spain (2), France (16), Republic of Korea (3), Singapore (2), Italy (6), Iran (4), Greece (7), Poland (4), Switzerland (8), Hong Kong (10), UK (12), India (7), Taiwan (18), Canada (23), China (19), Japan (39), Germany (44), and the USA (77). The submitted papers were evaluated by an international Technical Program Committee (TPC) consisting of Srinivas Aluru (Iowa State University, USA), Lars Arge (University of Aarhus, Denmark), Vikraman Arvind (Institute of Mathematical Sciences, India), James Aspnes (Yale University, USA), Mikhail Atallah (Purdue University, USA), Gill Barequet (Technion - Israel Institute of Technology, Israel), Michael Brudno (University of Toronto, Canada), Jianer Chen (Texas A & M, USA), Bhaskar DasGupta (University of Illinois at Chicago, USA), Anupam Gupta (Carnegie Mellon University, USA), Lane A.

Calcitonin Gene-Related Peptide (CGRP) Mechanisms

This book is designed to focus on the role of Calcitonin Gene-Related Peptide (CGRP) in health and disease. This peptide, originally discovered in the 1980s as a sensory neuropeptide with cardiovascular effects, is now known to play a distinct role in the pain processing of migraine. The various chapters address the origin, localization and function of CGRP and its receptor in the peripheral nervous system, in the cardiovascular system, and in other tissues and organs. Further attention is paid to the drug discovery pathway where recent findings show the beneficial effect of small molecule antagonists of the CGRP receptors for the relief of the migraine attack and of monoclonal antibodies against CGRP or the CGRP receptor for migraine prevention.

High-Performance Windows Store Apps

Understand what every developer should know about performance when building Windows Store apps. Not designed as a comprehensive reference, this book instead zeroes in on the essentials of planning for great performance and provides a solid starting point for building fast apps. This concise, performance-focused guide: Provides an introduction to the Windows platform from a performance point of view Describes how to set performance goals, establish tests to track performance, and covers tools to instrument code and analyze performance Explains why common techniques such as micro benchmarks and ad hoc testing often fall short in verifying performance Focuses on managed C#/XAML apps Although tools and techniques also apply to Visual Basic/XAML apps, all code examples use C# HTML5/JavaScript and C++/XAML are not covered

Fundamental Immunology

This standard-setting textbook has defined the field of immunology since 1984, and is now in its Seventh Edition continuing to deliver the detailed, authoritative, and timely coverage readers expect. This comprehensive, up-to-date text is ideal for graduate students, post-doctoral fellows, basic and clinical immunologists, microbiologists and infectious disease physicians, and any physician treating diseases in which immunologic mechanisms play a role. Now full-color throughout the book's fully revised and updated content reflects the latest advances in the field. Current insights enhance readers' understanding of immune system function. The text's unique approach bridges the gap between basic immunology and the disease process. Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment. Abundant illustrations and tables deliver essential information at a glance. Plus a convenient companion website features the fully searchable text and image bank! This is the tablet version of Fundamental Immunology which does not include access to the supplemental content mentioned in the text.

Protein Conformation as an Immunological Signal

This volume is the collection of papers presented during a four day meeting, the EMBO workshop "Protein Conformation as an Immunological Signal" that took place at Portovenere (La Spezia), Italy, October 1-4, 1981. The motivation that drove us to organize this meeting was the feeling that distinct groups of researchers, active in key areas of modern immunology, sometimes fail to communicate with each other simply because of different traditional affiliations. Yet it is urgent that "molecular" and "cellular" people cooperate more if immunology is to continue the exportation of new concepts to other disciplines. In fact, the deep meaning of molecule-molecule and cell-cell interaction, the generation of signals and their effective transmission which results in elicitation, control or suppression of responses cannot be unraveled without the experts on antibody structure or complement activation sharing their views with the experts on T cell, B cell and macrophage membrane receptors as well as the experts on factors that carry the information released by these cells. Whether the meeting was scientifically fruitful, the reader can judge after having digested these pages. We, the organizers, are not sure whether the optimal amount of interaction had taken place; especially considering how hard it is to overcome the scientist's catch 22: You have to know something quite well before you get really interested in it. In any event, we are convinced that Portovenere was one of the most successful attempts we have witnessed.

ECAI 2014

The role of artificial intelligence (AI) applications in fields as diverse as medicine, economics, linguistics, logical analysis and industry continues to grow in scope and importance. AI has become integral to the effective functioning of much of the technical infrastructure we all now take for granted as part of our daily lives. This book presents the papers from the 21st biennial European Conference on Artificial Intelligence, ECAI 2014, held in Prague, Czech Republic, in August 2014. The ECAI conference remains Europe's principal opportunity for researchers and practitioners of Artificial Intelligence to gather and to discuss the latest trends and challenges in all subfields of AI, as well as to demonstrate innovative applications and uses of advanced AI technology. Included here are the 158 long papers and 94 short papers selected for presentation at the conference. Many of the papers cover the fields of knowledge representation, reasoning and logic as well as agent-based and multi-agent systems, machine learning, and data mining. The proceedings of PAIS 2014 and the PAIS System Demonstrations are also included in this volume, which will be of interest to all those wishing to keep abreast of the latest developments in the field of AI.

Code Like a Pro in C#

Build on your existing programming skills and upskill to professional-level C# programming. Summary In Code Like A Pro in C# you will learn: Unit testing and test-driven development Refactor a legacy .NET codebase Principles of clean code Essential backend architecture skills Query and manipulate databases with LINQ and Entity Framework Core Critical business applications worldwide are written in the versatile C# language and the powerful .NET platform, running on desktops, cloud systems, and Windows or Linux servers. Code Like a Pro in C# makes it easy to turn your existing abilities in C# or another OO language (such as Java) into practical C# mastery. There's no "Hello World" or Computer Science 101 basics—you'll learn by refactoring an out-of-date legacy codebase, using new techniques, tools, and best practices to bring it up to modern C# standards. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology You know the basics, now get ready for the next step! Pro-quality C# code is efficient, clean, and fast. Whether you're building user-facing business applications or writing data-intensive backend services, the experience-based, practical techniques in this book will take your C# skills to a new level. About the book Code Like a Pro in C# teaches you to how write clean C# code that's suitable for enterprise applications. In this book, you'll refactor a legacy codebase by applying modern C# techniques. You'll explore tools like Entity Framework Core, design techniques like dependency injection, and key practices like testing and clean coding. It's a perfect path to upgrade your existing C# skills or shift from another OO language into C# and the .NET ecosystem. What's inside Unit

testing and test-driven development Refactor a legacy .NET codebase Principles of clean code Query and manipulate databases with LINQ and Entity Framework Core About the reader For developers experienced with object-oriented programming. No C# experience required. About the author Jort Rodenburg is a software engineer who has taught numerous courses on getting up to speed with C# and .NET. Table of Contents PART 1 USING C# AND .NET 1 Introducing C# and .NET 2 .NET and how it compiles PART 2 THE EXISTING CODEBASE 3 How bad is this code? 4 Manage your unmanaged resources! PART 3 THE DATABASE ACCESS LAYER 5 Setting up a project and database with Entity Framework Core PART 4 THE REPOSITORY LAYER 6 Test-driven development and dependency injection 7 Comparing objects 8 Stubbing, generics, and coupling 9 Extension methods, streams, and abstract classes PART 5 THE SERVICE LAYER 10 Reflection and mocks 11 Runtime type checking revisited and error handling 12 Using IAsyncEnumerable and yield return PART 6 THE CONTROLLER LAYER 13 Middleware, HTTP routing, and HTTP responses 14 JSON serialization/deserialization and custom model binding

Inside Microsoft SQL Server 2008

Tackle the toughest set-based querying and query tuning problems--guided by an author team with in-depth, inside knowledge of T-SQL. Deepen your understanding of architecture and internals--and gain practical approaches and advanced techniques to optimize your code's performance. Discover how to: Move from procedural programming to the language of sets and logic Optimize query tuning with a top-down methodology Assess algorithmic complexity to predict performance Compare data-aggregation techniques, including new grouping sets Manage data modification--insert, delete, update, merge--for performance Write more efficient queries against partitioned tables Work with graphs, trees, hierarchies, and recursive queries Plus--Use pure-logic puzzles to sharpen your problem-solving skills

Advanced Operating Systems and Kernel Applications: Techniques and Technologies

\ "This book discusses non-distributed operating systems that benefit researchers, academicians, and practitioners\" --Provided by publisher.

FSM-based Digital Design using Verilog HDL

As digital circuit elements decrease in physical size, resulting in increasingly complex systems, a basic logic model that can be used in the control and design of a range of semiconductor devices is vital. Finite State Machines (FSM) have numerous advantages; they can be applied to many areas (including motor control, and signal and serial data identification to name a few) and they use less logic than their alternatives, leading to the development of faster digital hardware systems. This clear and logical book presents a range of novel techniques for the rapid and reliable design of digital systems using FSMs, detailing exactly how and where they can be implemented. With a practical approach, it covers synchronous and asynchronous FSMs in the design of both simple and complex systems, and Petri-Net design techniques for sequential/parallel control systems. Chapters on Hardware Description Language cover the widely-used and powerful Verilog HDL in sufficient detail to facilitate the description and verification of FSMs, and FSM based systems, at both the gate and behavioural levels. Throughout, the text incorporates many real-world examples that demonstrate designs such as data acquisition, a memory tester, and passive serial data monitoring and detection, among others. A useful accompanying CD offers working Verilog software tools for the capture and simulation of design solutions. With a linear programmed learning format, this book works as a concise guide for the practising digital designer. This book will also be of importance to senior students and postgraduates of electronic engineering, who require design skills for the embedded systems market.

Philosophical Transactions, Giving Some Account of the Present Undertakings, Studies, and Labours of the Ingenious, in Many Considerable Parts of the World

CLR Via C?

Get the straightforward information you need to use Excel Services to add Microsoft Office Excel functionality to your Microsoft Windows- based, Web-based, and smart client applications.

Programming Excel Services

Network flow and network design problems arise in various application areas of combinatorial optimization, e.g., in transportation, production, or telecommunication. This thesis contributes new results to four different problem classes from this area, providing models and algorithms with immediate practical impact as well as theoretical insights into complexity and combinatorial structure of network optimization problems: (i) We introduce a new model for tactical transportation planning that employs a cyclic network expansion to integrate routing and inventory decisions into a unified capacitated network design formulation. We also devise several algorithmic approaches to solve the resulting optimization problem and demonstrate the applicability of our approach on a set of real-world logistic networks. (ii) We present approximation algorithms for combined location and network design problems, including the first constant factor approximation for capacitated location routing. (iii) We derive a max-flow/min-cut theorem for abstract flows over time, a generalization of the well-known work of Ford and Fulkerson that restricts to a minimal set of structural requirements. (iv) We devise algorithms for finding orientations of embedded graphs with degree constraints on vertices and faces, answering an open question by Frank.

Network flows and network design in theory and practice

Handbook of Biologically Active Peptides, Second Edition, is the definitive, indispensable reference for peptide researchers, biochemists, cell and molecular biologists, neuroscientists, pharmacologists, and endocrinologists. Its chapters are designed to be a source for workers in the field and enable researchers working in a specific area to examine related areas outside their expertise. Peptides play a crucial role in many physiological processes, including actions as neurotransmitters, hormones, and antibiotics. Research has shown their importance in such fields as neuroscience, immunology, pharmacology, and cell biology. The second edition of Handbook of Biologically Active Peptides presents this tremendous body of knowledge in the field of biologically active peptides in one single reference. The section editors and contributors represent some of the most sophisticated and distinguished scientists working in basic sciences and clinical medicine. - Presents all aspects of biologically active peptides in one resource - Features more than 20 sections spanning plant, bacterial, fungal, venom, and invertebrate peptides to general peptides - Includes immunological, inflammatory, cancer, vaccine, and neurotrophic peptides - Discusses peptide precursors, mRNA distribution, processing, and receptors, not just pathophysiological implications

Handbook of Biologically Active Peptides

Enter a world of hardcore back-end, server-side enterprise programming on the .NET platform. This book presents some of the important aspects of the C++/CLI language that often become a barrier preventing programmers from exploring further. The C++/CLI Primer is a powerful but compact book that will guide you through that barrier. Many of today's complex transactions and enterprise applications count on C++/CLI. Visual Studio 2015 and earlier versions support C++/CLI if you program using an IDE. C++/CLI is unattractive, clumsy, and hard when compared to other modern languages that run on the .NET platform. That's because it is powerful. Like light that can be viewed as a wave or particle, C++/CLI can be exercised as an unmanaged or managed or actually as the sandwich language to do mixed mode programming, which is its real power. That's also why it is unique. What You'll Learn Discover C++/CLI and why is it used in .NET programming Work with types, primitive types, object creation, and managed and abstract classes Use abstract classes in C++/CLI Harness the power of nullptr Implement code that uses boxing/unboxing Use equality/identity, properties, enums, strings, arrays, and more Who This Book Is For Experienced Microsoft

.NET application developers, familiar with .NET framework and C++.

C++/CLI Primer

Learn how to think like an attacker--and identify potential security issues in your software. In this essential guide, security testing experts offer practical, hands-on guidance and code samples to help you find, classify, and assess security bugs before your software is released. Discover how to: Identify high-risk entry points and create test cases Test clients and servers for malicious request/response bugs Use black box and white box approaches to help reveal security vulnerabilities Uncover spoofing issues, including identity and user interface spoofing Detect bugs that can take advantage of your program's logic, such as SQL injection Test for XML, SOAP, and Web services vulnerabilities Recognize information disclosure and weak permissions issues Identify where attackers can directly manipulate memory Test with alternate data representations to uncover canonicalization issues Expose COM and ActiveX repurposing attacks PLUS--Get code samples and debugging tools on the Web

Hunting Security Bugs

\\"An in-depth reference for C# developers, this book goes beyond the basics and covers key, advanced topics of C# programming. An ideal base class library reference, this book provides expert insights, hands-on instruction, and practical code samples\\"--Resource description page.

Programming Microsoft Visual C# 2005

Your customers demand and deserve better security and privacy in their software. This book is the first to detail a rigorous, proven methodology that measurably minimizes security bugs--the Security Development Lifecycle (SDL). In this long-awaited book, security experts Michael Howard and Steve Lipner from the Microsoft Security Engineering Team guide you through each stage of the SDL--from education and design to testing and post-release. You get their first-hand insights, best practices, a practical history of the SDL, and lessons to help you implement the SDL in any development organization. Discover how to: Use a streamlined risk-analysis process to find security design issues before code is committed Apply secure-coding best practices and a proven testing process Conduct a final security review before a product ships Arm customers with prescriptive guidance to configure and deploy your product more securely Establish a plan to respond to new security vulnerabilities Integrate security discipline into agile methods and processes, such as Extreme Programming and Scrum Includes a CD featuring: A six-part security class video conducted by the authors and other Microsoft security experts Sample SDL documents and fuzz testing tool PLUS--Get book updates on the Web. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

The Security Development Lifecycle

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Telecommunications has evolved and grown at an explosive rate in recent years and will undoubtedly continue to do so. As its functions, applications, and technology grow, it becomes increasingly complex and difficult, if not impossible, to meet the demands of a global network using conventional computing technologies. Computational intelligence (CI) is the technology of the future-and the future is now. Computational Intelligence in Telecommunications Networks offers an in-depth look at the rapid progress of CI technology and shows its importance in solving the crucial problems of future telecommunications networks. It covers a broad range of topics, from Call Admission Control, congestion control, and QoS-routing for ATM networks, to network design and management, optical, mobile, and active networks, and Intelligent Mobile Agents. Today's telecommunications professionals need a working knowledge of CI to exploit its potential to overcome emerging challenges. The CI community must become acquainted with those challenges to take advantage of the enormous opportunities the telecommunications field offers. This text meets both those needs, clearly, concisely, and with a depth certain to inspire further theoretical and practical advances.

Computational Intelligence in Telecommunications Networks

<https://forumalternance.cergyponoise.fr/27221074/hrescued/eexeu/wspareq/jvc+lt+42z49+lcd+tv+service+manual+>
<https://forumalternance.cergyponoise.fr/15932711/ainjureq/evisitp/marisex/1991+ford+mustang+service+repair+ma>
<https://forumalternance.cergyponoise.fr/84562569/drescuea/ndataz/hfavourr/stephen+m+millers+illustrated+bible+c>
<https://forumalternance.cergyponoise.fr/25235663/achargek/bvisito/wlimitt/rover+25+and+mg+zr+petrol+and+dies>
<https://forumalternance.cergyponoise.fr/21313943/irescuef/adlb/cfavourp/final+exam+study+guide+lifespan.pdf>
<https://forumalternance.cergyponoise.fr/39305090/wuniter/edlt/mbehavef/sew+in+a+weekend+curtains+blinds+and>
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