

Learning To Program Steven Foote

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Code Complete - Steve McConnell 2004-06-09

Widely considered one of the best practical guides to programming, Steve McConnell's original CODE COMPLETE has been helping developers write better software for more than a decade. Now this classic book has been fully updated and revised with leading-edge practices—and hundreds of new code samples—illustrating the art and science of software construction. Capturing the body of knowledge available from research, academia, and everyday commercial practice, McConnell synthesizes the most effective techniques and must-know principles into clear, pragmatic guidance. No matter what your experience level, development environment, or project size, this book will inform and stimulate your thinking—and help you build the highest quality code. Discover the timeless techniques and strategies that help you: Design for minimum complexity and maximum creativity Reap the benefits of collaborative development Apply defensive programming techniques to reduce and flush out errors Exploit opportunities to refactor—or evolve—code, and do it safely Use construction practices that are right-weight for your project Debug problems quickly and effectively Resolve critical construction issues early and correctly Build quality into the beginning, middle, and end of your project

Coding - Alan GRID 2020-11-19

Do you Want to Start Writing Your Own Programs in a couple of weeks? What Advantages can you have over others by Learning to Code? Learning to code may not be easy if you don't have an updated guide ... Taking the first steps by following the right guide can exponentially speed up the learning process and set up your project, taking you straight to the point of delivery Alan Grid summarizes his many years of experience working with Tech Giants as a software developer and programmer in this guide to help you improve effectively your coding skills to develop your project Learning how to Code will provide you Job Security. In the same way, being able to pursue a career as a coder will give you a significant amount of job security. Coders and programmers are in demand throughout the modern world, leading to a lot of jobs in the field. Coding is Fun! Imagine having the skills to be able to build your websites from scratch, to be able to create responsive mobile games, and to be able to program data analysis packages. If you learn how to code, you will be able to do all of this and more in a fun, engaging way! Some of the topics covered in the book : Why Python has been proclaimed by the most Professional Techs as the best Scripting Language ? Why is Python so popular in Machine Learning ? Why is Java crucial in 2021 ? Discover the 7 Best Development Tools of Java Why You Should at Least Get Familiar with C++? Even if You Plan to Use Higher Level Languages as your Tool of Choice? Develop Firmware for Embedded Systems with C++ much more... Don't waste precious time, "GET THE BOOK" and Start your Project !

Learning to Think Spatially - National Research Council 2005-02-03

Learning to Think Spatially examines how spatial thinking might be incorporated into existing standards-based instruction across the school curriculum. Spatial thinking must be recognized as a fundamental part of K-12 education and as an integrator and a facilitator for problem solving across the curriculum. With advances in computing technologies and the increasing availability of geospatial data, spatial thinking will play a significant role in the information-based economy of the twenty-first century. Using appropriately designed support systems tailored to the K-12 context, spatial thinking can be taught formally to all

students. A geographic information system (GIS) offers one example of a high-technology support system that can enable students and teachers to practice and apply spatial thinking in many areas of the curriculum.

The Magic Garden Explained - Berny Goodheart 1995

This book was the first and only approved reference on UNIX System V Release 4.0 internals. It responds to the hundreds of requests for solutions to the exercises. The solutions are complete and full explanations with appropriate examples of code offering real value. More than simple answers, the Solutions offer insight and practical information.

Jordan County - Shelby Foote 2011-02-09

Before Shelby Foote undertook his epic history of the Civil War, he wrote this fictional chronicle -- "a landscape in narrative" -- of Jordan County, Mississippi, a place where the traumas of slavery, war, and Reconstruction are as tangible as rock formations. The seven stories in Jordan County move backward in time, from 1950 to 1797, and through the lives of characters as diverse as a black horn player doomed by tuberculosis and convulsive jealousy, a tormented and ineffectual fin-de-siecle aristocrat, and a half-wild frontiersman who builds a plantation in Choctaw territory only to watch it burn at the close of the Civil War. In prose of almost Biblical gravity; and with a deep knowledge of the ways in which history shapes human lives -- and sometimes warps them beyond repair -- Foote gives us an ambitious, troubling work of fiction that builds on the traditions of William Faulkner and Flannery O'Connor but that is resolutely unique.

And the People Stayed Home (Family Book, Coronavirus Kids Book, Nature Book) - Kitty O'Meara 2020-11-10

"Kitty O'Meara...offers us wisdom that can help during the COVID-19 pandemic and beyond. She is challenging us to grow."—Deepak Chopra, MD, author, Metahuman "Kitty O'Meara is the poet laureate of the pandemic"—O, The Oprah Magazine "An eloquent, heartwarming reflection that will resonate with generations to come... encouragement for a brighter tomorrow."—Kate Winslet "And the People Stayed Home is an uplifting perspective on the resilience of the human spirit and the healing potential we have to change our world for the better." --Shelf Awareness "Images of nature healing show the author's vision of hope for the future...The accessible prose and beautiful images make this a natural selection for young readers, but older ones may appreciate the work's deeper meaning."— Kirkus Reviews "This is a perfectly illustrated version of a poem that continues to be relevant."—School Library Journal "A stunning and peaceful offering of introspection and hope."—The Children's Book Review Ten Best Children's Books of 2020: "A calming, optimistic read, and a salve for children trying their best to navigate this time." —Smithsonian Magazine "It captured the kind of optimism people need right now."—Esquire (UK) "Thank you, Kitty O'Meara...for pointing out that at this very moment, this very day, we can seize the opportunity to restore wholeness to our world."—Sy Montgomery, bestselling author of The Good Good Pig and The Soul of an Octopus "A poem by American writer Kitty O'Meara has deservedly gone viral."—Edinburgh Evening News And the People Stayed Home is a beautifully produced picture book featuring Kitty O'Meara's popular, globally viral prose poem about the coronavirus pandemic, which has a hopeful and timeless message. Kitty O'Meara, author of And the People Stayed Home, has been called the "poet laureate

of the pandemic." This illustrated children's book (ages 4-8) will also appeal to readers of all ages. O'Meara's thoughtful poem about the pandemic, quarantine, and the future suggests there is meaning to be found in our shared experience of the coronavirus and conveys an optimistic message about the possibility of profound healing for people and the planet. Her words encourage us to look within, listen deeply, and connect with ourselves and the earth in order to heal. O'Meara, a former teacher and chaplain and a spiritual director, clearly captures important aspects of the pandemic experience. Her words, written in March 2020 and shared on Facebook, immediately resonated nationally and internationally and were widely circulated on social media, covered in mainstream news media, and inspired an outpouring of creativity from musicians, dancers, artists, filmmakers, and more. The many highlights include an original composition by John Corigliano that was premiered by Renée Fleming.

Beginner's Step-by-Step Coding Course - DK 2020-01-07

With this visual guide to computer programming for beginners, it has never been easier to learn how to code. Coding skills are in high demand and the need for programmers is still growing. Covering three of the most popular languages for new coders, this book uses a graphic method to break complex subjects into user-friendly chunks, bringing essential skills within easy reach. Each chapter contains tutorials on practical projects designed to teach you the main applications of each language, such as building websites, creating games, and designing apps. The book also looks at many of the main coding languages that are out there, outlining the key applications of each language, so you can choose the right language for you. You'll learn to think like a programmer by breaking a problem down into parts, before turning those parts into lines of code. Short, easy-to-follow steps then show you, piece by piece, how to build a complete program. There are challenges for you to tackle to build your confidence before moving on. Written by a team of expert coders and coding teachers, Beginner's Step-by-Step Coding Course is the ideal way to get to set you on the road to code.

Coding - Alan Grid 2020-11-04

Do you want to be able to start writing your own simple programs in a couple of weeks? What advantages can you have over others by learning to code? Programming has developed exponentially over the past 10 years, going from something used only in computer games and casual electronic devices, to something that shapes the way we live in the modern world. This means that now is a great time to learn it. Virtually every modern device, electronics, and machinery contains at least some code. As the number of use cases for coding grows, the number of available coding jobs will also continue to grow. Programming will give you fundamental skills. Learning to code will provide you with crucial skills and experience to pursue a career as a coder or programmer. Learning how to code will provide job security. In the same way, being able to pursue a career as a coder will give you a significant amount of job security. Coders and programmers are in demand throughout the modern world, leading to a lot of jobs in the field. Coding is fun! Imagine having the skills to be able to build your websites from scratch, to be able to create responsive mobile games, and to be able to program data analysis packages. If you learn how to code, you will be able to do all of this and more in a fun, engaging way! Some of the topics covered in the book: Why Python has been proclaimed by the most Professional Techs as the best Scripting Language ? Why is Python so popular in Machine Learning ? Why is Java crucial in 2020 ? Discover the 7 Best Development Tools of Java; Why You Should at Least Get Familiar with C++? Even if You Plan to Use Higher Level Languages as your Tool of Choice? Develop Firmware for Embedded Systems with C++; and much more ... Do not waste any precious time, " GET THE BOOK NOW "

Beginning Perl - James Lee 2010-06-14

This is a book for those of us who believed that we didn't need to learn Perl, and now we know it is more ubiquitous than ever. Perl is extremely flexible and powerful, and it isn't afraid of Web 2.0 or the cloud. Originally touted as the duct tape of the Internet, Perl has since evolved into a multipurpose, multiplatform language present absolutely everywhere: heavy-duty web applications,

the cloud, systems administration, natural language processing, and financial engineering. Beginning Perl, Third Edition provides valuable insight into Perl's role regarding all of these tasks and more. Commencing with a comprehensive overview of language basics, you'll learn all about important concepts such as Perl's data types and control flow constructs. This material sets the stage for a discussion of more complex topics, such as writing custom functions, using regular expressions, and file input and output. Next, the book moves on to the advanced topics of object-oriented programming, modules, web programming, and database administration with Perl's powerful database interface module, DBI. The examples and code provided offer you all of the information you need to start writing your own powerful scripts to solve the problems listed above, and many more. Whether you are a complete novice or an experienced programmer, Beginning Perl, Third Edition offers an ideal guide to learning Perl.

Coding for Beginners - K Connors 2017-12-22

Coding for Beginners Learn Computer Programming the Right Way Learning to code may be one of the smartest and most important investments in yourself that one can ever make. Not only does it make you invaluable to most employers, teach you indispensable analytical skills, and provide you with a knowledge most only dream of, it's also fun too. What makes it fun is learning the right way, and not the hard way. The great part about it is, the right way is also the quickest and easiest way. This book is designed to streamline the coding and computer programming learning process to help get beginners on the right track to writing their first program. In this book, you will learn: What computer programming is How to get started with coding The most useful programming languages Which software to use and why How to code casually vs professionally How to stop procrastinating Why procrastination is only hurting you How to get the job done right the first time Get your copy of Coding for Beginners: Learn Computer Programming the Right Way and don't waste your time learning the hard way!

Windows PowerShell - Don Jones 2006

Scripting gurus Jones and Hicks teach readers PowerShell from the ground up. They cover its underlying technologies, flexible scripting language, and enough of the .NET Framework to be effective in PowerShell scripting. (Computer Books)

The Foote Family - Nathaniel Goodwin 2010-11

Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce and increasingly expensive. We are republishing these classic works in affordable, high quality, modern editions, using the original text and artwork.

David Susskind - Stephen Battaglio 2010-10-12

A rich biography of one of the most important cultural figures of the '50s, '60s and '70s-maverick television producer and talk show host David Susskind A flamboyant impresario who began his career as an agent, David Susskind helped define a fledgling television industry. He was a provocateur who fought to bring high-toned literary works to TV. His series East Side/West Side and N.Y.P.D. broke the color barrier in casting and brought gritty, urban realism to prime time. He indulged his passion for issues and ideas with his long running discussion program, first called Open End and then The David Susskind Show, where guests could come from The White House one week and a whore house the next. The groundbreaking program made news year in and year out. His legendary live interview with Nikita Khrushchev at the height of the Cold War inflamed both the political and media establishments. Susskind was an enfant terrible whose life-both on and off the screen-makes fascinating reading. His rough edges, appetite for women, and scorn for the business side of his profession often left his own career hanging by a thread. Through extensive original reporting and deep access to David Susskind's personal papers, family members and former associates, Stephen Battaglio creates a vivid portrait of a go-go era in American media. David Susskind is as much a biography of an expansive and glamorous time in the television business as it is the life of one of its most colorful and important players.

Against Their Will - Kevin Paul Begos 2012

With little oversight, the Eugenics Board of North Carolina ordered the sterilization of thousands of the state's most vulnerable citizens. This award-winning series led to an apology from the North Carolina governor and the first legislation in the nation seeking to compensate victims of eugenics, or involuntary sterilization.

Interlibrary Loan Policy - National Library of Medicine (U.S.) 1987

Cryptonomicon - Neal Stephenson 2009-03-17

With this extraordinary first volume in what promises to be an epoch-making masterpiece, Neal Stephenson hacks into the secret histories of nations and the private obsessions of men, decrypting with dazzling virtuosity the forces that shaped this century. As an added bonus, the e-book edition of this New York Times bestseller includes an excerpt from Stephenson's new novel, *Seveneves*. In 1942, Lawrence Pritchard Waterhouse—mathematical genius and young Captain in the U.S. Navy—is assigned to detachment 2702. It is an outfit so secret that only a handful of people know it exists, and some of those people have names like Churchill and Roosevelt. The mission of Waterhouse and Detachment 2702—commanded by Marine Raider Bobby Shaftoe—is to keep the Nazis ignorant of the fact that Allied Intelligence has cracked the enemy's fabled Enigma code. It is a game, a cryptographic chess match between Waterhouse and his German counterpart, translated into action by the gung-ho Shaftoe and his forces. Fast-forward to the present, where Waterhouse's crypto-hacker grandson, Randy, is attempting to create a "data haven" in Southeast Asia—a place where encrypted data can be stored and exchanged free of repression and scrutiny. As governments and multinationals attack the endeavor, Randy joins forces with Shaftoe's tough-as-nails granddaughter, Amy, to secretly salvage a sunken Nazi submarine that holds the key to keeping the dream of a data haven afloat. But soon their scheme brings to light a massive conspiracy with its roots in Detachment 2702 linked to an unbreakable Nazi code called Arethusa. And it will represent the path to unimaginable riches and a future of personal and digital liberty...or to universal totalitarianism reborn. A breathtaking tour de force, and Neal Stephenson's most accomplished and affecting work to date, *Cryptonomicon* is profound and prophetic, hypnotic and hyper-driven, as it leaps forward and back between World War II and the World Wide Web, hinting all the while at a dark day—after—tomorrow. It is a work of great art, thought and creative daring; the product of a truly iconoclastic imagination working with white-hot intensity.

The People's Tycoon - Steven Watts 2009-03-04

How a Michigan farm boy became the richest man in America is a classic, almost mythic tale, but never before has Henry Ford's outsized genius been brought to life so vividly as it is in this engaging and superbly researched biography. The real Henry Ford was a tangle of contradictions. He set off the consumer revolution by producing a car affordable to the masses, all the while lamenting the moral toll exacted by consumerism. He believed in giving his workers a living wage, though he was entirely opposed to union labor. He had a warm and loving relationship with his wife, but sired a son with another woman. A rabid anti-Semite, he nonetheless embraced African American workers in the era of Jim Crow. Uncovering the man behind the myth, situating his achievements and their attendant controversies firmly within the context of early twentieth-century America, Watts has given us a comprehensive, illuminating, and fascinating biography of one of America's first mass-culture celebrities.

Refactoring - Martin Fowler 1999

Refactoring is gaining momentum amongst the object oriented programming community. It can transform the internal dynamics of applications and has the capacity to transform bad code into good code. This book offers an introduction to refactoring.

Code Complete, 2nd Edition - Steve McConnell

Widely considered one of the best practical guides to programming, Steve McConnell's original CODE COMPLETE has been helping developers write better software for more than a decade. Now this classic book has been fully updated and revised with

leading-edge practices—and hundreds of new code samples—illustrating the art and science of software construction. Capturing the body of knowledge available from research, academia, and everyday commercial practice, McConnell synthesizes the most effective techniques and must-know principles into clear, pragmatic guidance. No matter what your experience level, development environment, or project size, this book will inform and stimulate your thinking—and help you build the highest quality code.

Professional JavaScript for Web Developers - Nicholas C. Zakas 2005-04-29

Dispels the myth that JavaScript is a "baby" language and demonstrates why it is the scripting language of choice used in the design of millions of Web pages and server-side applications. Quickly covers JavaScript basics and then moves on to more advanced topics such as object-oriented programming, XML, Web services, and remote scripting. Addresses the many issues that Web application developers face, including internationalization, security, privacy, optimization, intellectual property issues, and obfuscation. Builds on the reader's basic understanding of HTML, CSS, and the Web in general. This book is also available as part of the 4-book JavaScript and Ajax Wrox Box (ISBN: 0470227818). This 4-book set includes: Professional JavaScript for Web Developers (ISBN: 0764579088) Professional Ajax 2nd edition (ISBN: 0470109491) Professional Web 2.0 Programming (ISBN: 0470087889) Professional Rich Internet Applications: Ajax and Beyond (ISBN: 0470082801)

An Educational Calamity - Uche Amaechi 2021-03-27

The Covid-19 pandemic caused major disruptions to education around the world. Since the World Health Organization declared a pandemic on March 11, 2020, most students on the planet were affected by the interruption of in-person schooling. To mitigate the educational loss such interruption would cause, education authorities the world over created a variety of alternative mechanisms of education delivery. They did so quickly and with insufficient knowledge about what would work well, for which children, and for what aspects of the schooling experience. Having to create such alternative arrangements in short order was the ultimate adaptive leadership challenge, one for which no playbook existed, one for which solutions would have to be invented, rather than drawn from existing technical knowledge. The nature of the challenge differed across the world and regions, and it differed also within countries as a function of the differential public health and economic impact of the pandemic on communities, and of variations in institutional and financial resources available to redress such impact, including availability of digital infrastructure and previous knowledge and experience of teachers and students with digital pedagogies and other resources to create alternative education delivery systems. Sustaining educational opportunities amidst these challenges created by the pandemic was an example of adaptive education response not to a unique unexpected challenge but to one in a larger class of problems, just one of the many adaptive conundrums facing communities and societies. Beyond the challenges resulting from the pandemic, other complications of that sort predating the pandemic included those resulting from poverty, inequality, social inclusion, governance, climate change, among others. In some ways, the pandemic served as an accelerant for some of those, augmenting their impact or underscoring the urgency of addressing them. Adaptive puzzles of this sort, including pandemics, are likely to continue to impact education systems in the foreseeable future. This makes it necessary to strengthen the capacity of education systems to respond to them. Reimagining education systems so they are resilient in the face of adaptive challenges is an opportunity to mobilize new talent and institutional resources. Partnerships between school systems and universities can contribute to those reimagined and more resilient systems, they can enhance the institutional capacity of education systems to devise solutions and to implement them. Such partnerships are also an opportunity for universities to be more deliberate in integrating their three core functions of research, teaching and outreach in service of addressing significant social challenges in a context in rapid flux. In this book we present the results of one approach to produce the integration between research, teaching and outreach just described, resulting from engaging graduate students in collaborations with school

systems for the purpose of helping identify ways to sustain educational opportunity during the disruption caused by the pandemic. This activity engaged our students in research and analysis, contributing to their education, and it engaged them in service to society. The book examines what happened to educational opportunity during the Covid-19 pandemic in Bangladesh, Belize, the municipality of Santa Ana in Costa Rica, Guatemala, Kenya, in the States of Sinaloa and Quintana Roo in Mexico, South Africa, United Arab Emirates, and in the United States in Richardson Independent School District in Texas. It offers a systematic analysis of policy options to sustain educational opportunity during the pandemic. *Coding for Beginners* - Michael STEVEN 2020-05-18

This is not just any type of programming book that squeezes everything into this book; there is Wikipedia for that! Beginner Programming is a roadmap for anyone, young or old, looking for a way to get into the changing world of programming. Instead of overloading yourself with information that is impossible to process and will probably overwhelm you, this book guides you through exactly the projects you want to do, and how you can successfully turn these ideas into functionally coded projects. What you'll learn in this book: * Definitions of all the programming terms you need. * You should learn HTML, JavaScript, C, Ruby, Python, C ++? How to decide which programming language to learn and master first * Snippets for beginners that you can paste into your favorite code editor * How to prepare for coding in everything from hardware to software to mindset * How to build a basic website * Tips and tricks that even seasoned programmers might not even be aware of! * Going pro: If you decide that programming is a career path you want to take, is a college degree required or a total waste of time? Who Should Read this book? If you are already a programmer, this is your chance to buy and gift a friend! I wrote this book for people with ZERO coding skills. Let us take your hand and guide you through the threshold into a programming world like you have never seen before. You will definitely not regret it! Click the BUY NOW button!

Teaching Climate Change in the Humanities - Stephen Siperstein 2016-10-04
Climate change is an enormous and increasingly urgent issue. This important book highlights how humanities disciplines can mobilize the creative and critical power of students, teachers, and communities to confront climate change. The book is divided into four clear sections to help readers integrate climate change into the classes and topics they are already teaching as well as engage with interdisciplinary methods and techniques. Teaching Climate Change in the Humanities constitutes a map and toolkit for anyone who wishes to draw upon the strengths of literary and cultural studies to teach valuable lessons that engage with climate change.

The Self-Taught Programmer - Cory Althoff 2022-01-13

Learning to Program - Steven Foote 2014

Learning to Program will help students build a solid foundation in programming that can prepare them to achieve just about any programming goal. Whether they want to become a professional software programmer, learn how to more effectively communicate with programmers, or are just curious about how programming works, this book is a great first step in helping to get there.

Dinosaur Train - John Steven Gurney 2002-09-17

All Aboard! Have your tickets ready for the most exciting ride of your life on the Dinosaur Train!

Undergraduate Algebra - Serge Lang 2013-06-29

The companion title, Linear Algebra, has sold over 8,000 copies The writing style is very accessible The material can be covered easily in a one-year or one-term course Includes Noah Snyder's proof of the Mason-Stothers polynomial abc theorem New material included on product structure for matrices including descriptions of the conjugation representation of the diagonal group

Mono: A Developer's Notebook - Edd Wilder-James 2004-07-20

The Mono Project is the much talked-about open source initiative to create a Unix implementation of Microsoft's .NET Development Framework. Its purpose is to allow

Unix developers to build and deploy cross-platform .NET applications. The project has also sparked interest in developing components, libraries and frameworks with C#, the programming language of .NET. The controversy? Some say Mono will become the preferred platform for Linux development, empowering Linux/Unix developers. Others say it will allow Microsoft to embrace, extend, and extinguish Linux. The controversy rages on, but--like many developers--maybe you've had enough talk and want to see what Mono is really all about. There's one way to find out: roll up your sleeves, get to work, and see what you Mono can do. How do you start? You can research Mono at length. You can play around with it, hoping to figure things out for yourself. Or, you can get straight to work with Mono: A Developer's Notebook--a hands-on guide and your trusty lab partner as you explore Mono 1.0. Light on theory and long on practical application, Mono: A Developer's Notebook bypasses the talk and theory, and jumps right into Mono 1.0. Diving quickly into a rapid tour of Mono, you'll work through nearly fifty mini-projects that will introduce you to the most important and compelling aspects of the 1.0 release. Using the task-oriented format of this new series, you'll learn how to acquire, install, and run Mono on Linux, Windows, or Mac OS X. You'll work with the various Mono components: Gtk#, the Common Language Runtime, the class libraries (both .NET and Mono-provided class libraries), IKVM and the Mono C# compiler. No other resource will take you so deeply into Mono so quickly or show you as effectively what Mono is capable of. The new Developer's Notebooks series from O'Reilly covers important new tools for software developers. Emphasizing example over explanation and practice over theory, they focus on learning by doing--you'll get the goods straight from the masters, in an informal and code-intensive style that suits developers. If you've been curious about Mono, but haven't known where to start, this no-fluff, lab-style guide is the solution.

My Little Train - Satomi Ichikawa 2010-11-11

Little Train toots along, taking all his passengers exactly where they want to go. "To the pond!" says the duck. "To the forest!" says the monkey. "To the mountain!" says the bear. But Little Kangaroo doesn't say a word. He wants to go on an adventure with Little Train--adventure that leads him up a mountain, off a cliff, and back where he belongs: in his mama's pocket. This endearing picture book is perfect for train, toy and adventure lovers everywhere.

Reconnecting Reading and Writing - Alice S. Horning 2013-09-06

Reconnecting Reading and Writing explores the ways in which reading can and should have a strong role in the teaching of writing in college. Reconnecting Reading and Writing draws on broad perspectives from history and international work to show how and why reading should be reunited with writing in college and high school classrooms. It presents an overview of relevant research on reading and how it can best be used to support and enhance writing instruction.

High-Impact Practices in Online Education - Kathryn E. Linder 2023-07-03

This volume offers the first comprehensive guide to how high-impact practices (HIPs) are being implemented in online environments and how they can be adjusted to meet the needs of online learners. This multi-disciplinary approach will assist faculty and administrators to effectively implement HIPs in distance education courses and online programs. With a chapter devoted to each of the eleven HIPs, this collection offers guidance that takes into account the differences between e-learners and traditional on-campus students. A primary goal of High-Impact Practices Online is to share the ways in which HIPs may need to be amended to meet the needs of online learners. Through specific examples and practical suggestions in each chapter, readers are introduced to concrete strategies for transitioning HIPs to the online environment that can be utilized across a range of disciplines and institution types. Each chapter of High-Impact Practices Online also references the most recent and relevant literature on each HIP so that readers are brought up to date on what makes online HIPs successful. The book provides guidance on how best to implement HIPs to increase retention and completion for online learners.

The D Programming Language - Andrei Alexandrescu 2010-06-02

D is a programming language built to help programmers address the challenges of

modern software development. It does so by fostering modules interconnected through precise interfaces, a federation of tightly integrated programming paradigms, language-enforced thread isolation, modular type safety, an efficient memory model, and more. The D Programming Language is an authoritative and comprehensive introduction to D. Reflecting the author's signature style, the writing is casual and conversational, but never at the expense of focus and precision. It covers all aspects of the language (such as expressions, statements, types, functions, contracts, and modules), but it is much more than an enumeration of features. Inside the book you will find In-depth explanations, with idiomatic examples, for all language features How feature groups support major programming paradigms Rationale and best-use advice for each major feature Discussion of cross-cutting issues, such as error handling, contract programming, and concurrency Tables, figures, and "cheat sheets" that serve as a handy quick reference for day-to-day problem solving with D Written for the working programmer, The D Programming Language not only introduces the D language—it presents a compendium of good practices and idioms to help both your coding with D and your coding in general.

Technical Debt in Practice - Neil Ernst 2021-08-17

The practical implications of technical debt for the entire software lifecycle; with examples and case studies. Technical debt in software is incurred when developers take shortcuts and make ill-advised technical decisions in the initial phases of a project, only to be confronted with the need for costly and labor-intensive workarounds later. This book offers advice on how to avoid technical debt, how to locate its sources, and how to remove it. It focuses on the practical implications of technical debt for the entire software life cycle, with examples and case studies from companies that range from Boeing to Twitter. Technical debt is normal; it is part of most iterative development processes. But if debt is ignored, over time it may become unmanageably complex, requiring developers to spend all of their effort fixing bugs, with no time to add new features--and after all, new features are what customers really value. The authors explain how to monitor technical debt, how to measure it, and how and when to pay it down. Broadening the conventional definition of technical debt, they cover requirements debt, implementation debt, testing debt, architecture debt, documentation debt, deployment debt, and social debt. They intersperse technical discussions with "Voice of the Practitioner" sidebars that detail real-world experiences with a variety of technical debt issues.

Advanced Topics in Types and Programming Languages - Benjamin C. Pierce 2024-07-02

A thorough and accessible introduction to a range of key ideas in type systems for programming language. The study of type systems for programming languages now touches many areas of computer science, from language design and implementation to software engineering, network security, databases, and analysis of concurrent and distributed systems. This book offers accessible introductions to key ideas in the field, with contributions by experts on each topic. The topics covered include precise type analyses, which extend simple type systems to give them a better grip on the run time behavior of systems; type systems for low-level languages; applications of types to reasoning about computer programs; type theory as a framework for the design of sophisticated module systems; and advanced techniques in ML-style type inference. Advanced Topics in Types and Programming Languages builds on Benjamin Pierce's Types and Programming Languages (MIT Press, 2002); most of the chapters should be accessible to readers familiar with basic notations and techniques of operational semantics and type systems—the material covered in the first half of the earlier book. Advanced Topics in Types and Programming Languages can be used in the classroom and as a resource for professionals. Most chapters include exercises, ranging in difficulty from quick comprehension checks to challenging extensions, many with solutions.

Learning Progressive Web Apps - John M. Wargo 2020-02-18

Use Service Workers to Turbocharge Your Web Apps "You have made an excellent decision in picking up this book. If I was just starting on my learning path to mastery of Progressive Web Apps, there are not many folks I would trust more to

get me there than John." —Simon MacDonald, Developer Advocate, Adobe Software developers have two options for the apps they build: native apps targeting a specific device or web apps that run on any device. Building native apps is challenging, especially when your app targets multiple system types—i.e., desktop computers, smartphones, televisions—because user experience varies dramatically across devices. Service Workers—a relatively new technology—make it easier for web apps to bridge the gap between native and web capabilities. In Learning Progressive Web Apps, author John M. Wargo demonstrates how to use Service Workers to enhance the capabilities of a web app to create Progressive Web Apps (PWA). He focuses on the technologies that enable PWAs and how to use those technologies to enhance your web apps to deliver a more native-like experience. Build web apps a user can easily install on their local system and that work offline or on low-quality networks Utilize caching strategies that give you control over which app resources are cached and when Deliver background processing in a web application Implement push notifications that enable an app to easily engage with users or trigger action from a remote server Throughout the book, Wargo introduces each core concept and illustrates the implementation of each capability through several complete, operational examples. You'll start with simple web apps, then incrementally expand and extend them with state-of-the-art features. All example source code is available on GitHub, and additional resources are available on the author's companion site, learningpwa.com. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Understanding ECMAScript 6 - Nicholas C. Zakas 2016-08-16

ECMAScript 6 represents the biggest update to the core of JavaScript in the history of the language. In Understanding ECMAScript 6, expert developer Nicholas C. Zakas provides a complete guide to the object types, syntax, and other exciting changes that ECMAScript 6 brings to JavaScript. Every chapter is packed with example code that works in any JavaScript environment so you'll be able to see new features in action. You'll learn: -How ECMAScript 6 class syntax relates to more familiar JavaScript concepts -What makes iterators and generators useful -How arrow functions differ from regular functions -Ways to store data with sets, maps, and more -The power of inheritance -How to improve asynchronous programming with promises -How modules change the way you organize code Whether you're a web developer or a Node.js developer, you'll find Understanding ECMAScript 6 indispensable on your journey from ECMAScript 5 to ECMAScript 6.

Batterer Intervention - Kerry Murphy Healey 1999-07

"Batterer Intervention: Program Approaches and Criminal Justice Strategies" is a publication of the National Criminal Justice Reference Service (NCJRS) in Rockville, Maryland. The publication provides judges, prosecutors, and probation officers with the information they need to better understand batterer intervention and make appropriate decisions regarding programming.

Coding All-in-One For Dummies - Nikhil Abraham 2017-04-18

See all the things coding can accomplish The demand for people with coding know-how exceeds the number of people who understand the languages that power technology. Coding All-in-One For Dummies gives you an ideal place to start when you're ready to add this valuable asset to your professional repertoire. Whether you need to learn how coding works to build a web page or an application or see how coding drives the data revolution, this resource introduces the languages and processes you'll need to know. Peek inside to quickly learn the basics of simple web languages, then move on to start thinking like a professional coder and using languages that power big applications. Take a look inside for the steps to get started with updating a website, creating the next great mobile app, or exploring the world of data science. Whether you're looking for a complete beginner's guide or a trusted resource for when you encounter problems with coding, there's something for you! Create code for the web Get the tools to create a mobile app Discover languages that power data science See the future of coding with machine learning tools With the demand for skilled coders at an all-time high, Coding All-in-One For Dummies is here to propel coding newbies to the ranks of professional

programmers.

Dr. Mutter's Marvels - Cristin O'Keefe Aptowicz 2015-09-08

A mesmerizing biography of the brilliant and eccentric medical innovator who revolutionized American surgery and founded the country's most famous museum of medical oddities. Imagine undergoing an operation without anesthesia, performed by a surgeon who refuses to sterilize his tools—or even wash his hands. This was the world of medicine when Thomas Dent Mütter began his trailblazing career as a plastic surgeon in Philadelphia during the mid-nineteenth century. Although he died at just forty-eight, Mütter was an audacious medical innovator who pioneered the use of ether as anesthesia, the sterilization of surgical tools, and a compassion-based vision for helping the severely deformed, which clashed spectacularly with the sentiments of his time. Brilliant, outspoken, and brazenly handsome, Mütter was flamboyant in every aspect of his life. He wore pink silk suits to perform surgery, added an umlaut to his last name just because he could, and amassed an immense collection of medical oddities that would later form the basis of Philadelphia's renowned Mütter Museum. Award-winning writer Cristin O'Keefe Aptowicz vividly chronicles how Mütter's efforts helped establish

Philadelphia as a global mecca for medical innovation—despite intense resistance from his numerous rivals. (Foremost among them: Charles D. Meigs, an influential obstetrician who loathed Mütter's “overly modern” medical opinions.) In the narrative spirit of *The Devil in the White City*, Dr. Mütter's *Marvels* interweaves an eye-opening portrait of nineteenth-century medicine with the riveting biography of a man once described as the “[P. T.] Barnum of the surgery room.”

Programming for TV, Radio & The Internet - Lynne Gross 2012-11-12

Where do program ideas come from? How are concepts developed into saleable productions? Who do you talk to about getting a show produced? How do you schedule shows on the lineup? What do you do if a series is in trouble? The answers to these questions, and many more, can be found in this comprehensive, in-depth look at the roles and responsibilities of the electronic media programmer. Topics include: Network relationships with affiliates, the expanded market of syndication, sources of programming for stations and networks, research and its role in programming decisions, fundamental appeals to an audience and what qualities are tied to success, outside forces that influence programming, strategies for launching new programs or saving old ones. Includes real-life examples taken from the authors' experiences, and 250+ illustrations!