Download Free Apple Developer Guide

Apple Developer Guide

Includes Complete Coverage of the OpenGL® Shading Language! Today's OpenGL software interface enables programmers to produce extraordinarily high-quality computer-generated images and interactive applications using 2D and 3D objects, color images, and programmable shaders. OpenGL® Programming Guide: The Official Guide to Learning OpenGL®, Version 4.3, Eighth Edition, has been almost completely rewritten and provides definitive, comprehensive information on OpenGL and the OpenGL Shading Language. This edition of the best-selling "Red Book" describes the features through OpenGL version 4.3. It also includes updated information and techniques formerly covered in OpenGL® Shading Language (the "Orange Book"). For the first time, this guide completely integrates shader techniques, alongside classic, functioncentric techniques. Extensive new text and code are presented, demonstrating the latest in OpenGL programming techniques. OpenGL® Programming Guide, Eighth Edition, provides clear explanations of OpenGL functionality and techniques, including processing geometric objects with vertex, tessellation, and geometry shaders using geometric transformations and viewing matrices; working with pixels and texture maps through fragment shaders; and advanced data techniques using framebuffer objects and compute shaders. New OpenGL features covered in this edition include Best practices and sample code for taking full advantage of shaders and the entire shading pipeline (including geometry and tessellation shaders) Integration of general computation into the rendering pipeline via compute shaders Techniques for binding multiple shader programs at once during application execution Latest GLSL features for doing advanced shading techniques Additional new techniques for optimizing graphics program performance

Enter the Swift future of iOS and OS X programming Beginning Swift Programming is your ideal starting point for creating Mac, iPhone, and iPad apps using Apple's new Swift programming language. Written by an experienced Apple developer and trainer, this comprehensive guide explains everything you need to know to jumpstart the creation of your app idea. Coverage includes data types, strings and characters, operators and functions, arrays and dictionaries, control flow, and looping, with expert guidance on classes, objects, class inheritance, closures, protocols, and generics. This succinct — yet complete — overview provides a detailed introduction to the core features of Swift. Apple developed Swift to address the limitations of Objective-C, and add features found in more complex languages like Python. The results is simpler, cleaner, more expressive code with automatic memory management, functional programming patterns, and more, including built-in features that make Swift apps faster, scalable, and more secure. This book explains it all, helping developers master Apple's new language. Become fluent with syntax that's easier to read and maintain Understand inferred types for cleaner, less mistake-prone code Learn the key features that make Swift more expressive than Objective-C Learn the new optional types in Swift that make your code more resilient Understand the key design patterns in iOS and Mac OS programming using protocols and delegates Learn how to use generics to create highly reusable code Learn the new access controls mechanism in Swift Get up to speed quickly to remain relevant and ahead of the curve.

iOS that is previously known as iPhone OS is a popular mobile operating system developed and distributed exclusively by Apple Inc for Apple hardware. Recently, this operating system has gained much popularity in the mobile world because of its high modern technology. It's the only operating system in the market that provides power to many company's iDevices.

Features hands-on sample projects and exercises designed to help programmers create iOS applications.

Cocoa

Head First IPhone and IPad Development

The Official Guide to Learning OpenGL, Version 4.3

.NET Developer's Guide to Augmented Reality in iOS

Computing Handbook, Third Edition

Learning IOS Development

English Dialect

Create incredible apps for the iPhone and iPad using the latest features of iOS 6 You could be the one who creates the next super app - one that is universal, works for both the iPhone and iPad, and is a top seller. It's a great goal, and the road starts here, with this energizing guide. Whether you're a budding programming hobbyist or a serious developer looking to hit it big, the information in this book is what you need. Learn how to join Apple's developer program, understand key differences between iPad and iPhone apps, download the latest SDK, create great user experiences, and build your very own app from the ground up. You'll gain the valuable hands-on experience you need to take your development skills to the next level by walking through the development process step-by-step and creating two applications. Shows programming hobbyists and programming pros how to develop a universal app for the iPhone and iPad in iOS 6 Explains the process of creating interfaces for each target device and how to merge your designs to create a killer universal app Walks you through the development of two applications, side by side Covers nib files, views, view controllers, interface objects, gesture recognizers, and much more iOS 6 Application Development For Dummies is your guide to bringing all your app ambitions to life!

Sharing Apple Apps With Your Team, Testers & the World You'll learn how to sign up for Apple Developer Program, generate the various certificates needed, configure your app and submit an app to the App Store for approval, both manually and through automated processes through automated pipelines. You'll learn how to use Apple TestFlight to add internal and external testers and receive feedback and crash reports. iOS App Distribution starts with explaining hurdles everyone faces, such as code signing, provisioning profiles, and how to do manual releases. It'll then go into more advanced topics, including distribution through TestFlight, build customization, automation, and continuous integration. Who This Book Is For This book is for beginner to experienced developers who want to know the best and most common workflow to release an app to the App store, as well as limiting frustration by troubleshooting and debugging common issues and problems associated with distributing apps. Topics Covered in iOS App Distribution & Best Practices App Store quick start: Your quickest way from no account to the App Store. Provisioning, code signing & entitlements: In-depth explanation of what they are, why you need them, and how they work. Distribution channels & TestFlight: Learn different ways of distributing your app, within an enterprise, with internal or external testers. App Store Connect: Learn about the Apple review process, what are the guidelines, what can go wrong and how to dispute them. Build customizations: Learn the ins and outs of configuring Xcode and build configurations. Build automation: Automate builds, build servers, and learn about tools such as fastlane. Continuous integration: Build your own CI pipeline to code, build, test, release, and repeat! After reading this book, you'll take your app build process and distribution to the next level, automate most of its tedious processes, and have an easier time debugging obscure app submission problem

APPLE DESIGNED SWIFT SO YOU wouldn't need previous Apple programming experience, but many Apple developers will want to take advantage of Swift in existing projects—as well as start writing projects from scratch. In this compact, to-the-point guide, author and iOS developer Maurice Kelly steps existing Objective-C developers through the basics of the Swift language—including types, syntax, variables, strings, and classes—and explores how to use Swift with existing projects and create new apps written completely in Swift. If you are an Apple developer, this book will quickly give you a solid foundation for writing Swift apps. THIS BOOK INCLUDES: Detailed instruction and clear examples Real-world guidance and advice Detailed directions for using Swift's playgrounds to experiment with your code with a minimum of hassle Emphasis on the core components of the language COMPANION WEBSITE: http://swift-translation.guide/ includes additional resources.

What does it take to build an iPhone app with stunning 3D graphics? This book will show you how to apply OpenGL graphics programming techniques to any device running the iPhone OS -- including the iPad and iPod Touch -- with no iPhone development or 3D graphics experience required. iPhone 3D Programming provides clear step-by-step instructions, as well as lots of practical advice, for using the iPhone SDK and OpenGL. You'll build several graphics programs -- progressing from simple to more complex examples -- that focus on lighting, textures, blending, augmented reality, optimization for performance and speed, and much more. All you need to get started is a solid understanding of C++ and a great idea for an app. Learn fundamental graphics concepts, including transformation matrices, quaternions, and more Get set up for iPhone development with the Xcode environment Become familiar with versions 1.1 and 2.0 of the OpenGL ES API, and learn to use vertex buffer objects, lighting, texturing, and shaders Use the iPhone's touch screen, compass, and accelerometer to build interactivity into graphics applications Build iPhone graphics applications such as a 3D wireframe viewer, a simple augmented reality application, a spring system simulation, and more

The Ultimate Beginner's Guide to Learn Swift Programming Step by Step, 3nd Edition

AppleScript: The Definitive Guide

Metal Programming Guide

SwiftUI Essentials - iOS 14 Edition

Learning Cocoa with Objective-C

Swift Translation Guide for Objective-C

The Definitive Guide

Use Xcode 5 to Write Great iOS and OS X Apps! Xcode 5 Start to Finish will help you use the tools in Apple's Xcode 5 to improve productivity, write great code, and leverage the newest iOS 7 and OS X Mavericks features. Drawing on thirty years of experience developing for Apple platforms and helping others do so, Fritz Anderson shows you a complete best-practice Xcode workflow. Through three full sample projects, you'll learn to integrate testing, source control, and other key skills into a high-efficiency process that works. Anderson shows you better ways to storyboard, instrument, build, and compile code, and helps you apply innovations ranging from Quick Look to Preview Assistant. By the time you're finished, you'll have the advanced Xcode skills to develop outstanding software. Coverage includes Setting breakpoints and tracing execution for active debugging Creating libraries by adding and building new targets Integrating Git or Subversion version control Creating iOS projects with MVC design Designing Core Data schemas for iOS apps Linking data models to views Designing UI views with Interface Builder Using the improved Xcode 5 Autolayout editor Improving reliability with unit testing Simplifying iOS provisioning Leveraging refactoring and continual error checking Using OS X bindings, bundles, packages, frameworks, and property lists Localizing your apps Controlling how Xcode builds source code into executables Analyzing processor and memory usage with Instruments Integrating with Mavericks Server's sleek continuous integration system Register your book at www.informit.com/register for access to this title's downloadable code.

Computing Handbook, Third Edition: Computer Science and Software Engineering mirrors the modern taxonomy of computer science and software engineering as described by the Association for Computing Machinery (ACM) and the IEEE Computer Society (IEEE-CS). Written by established leading experts and influential young researchers, the first volume of this popular handbook examines the elements involved in designing and implementing software, new areas in which computers are being used, and ways to solve computing problems. The book also explores our current understanding of software engineering and its effect on the practice of software development and the education of software professionals. Like the second volume, this first volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Based on Big Nerd Ranch's popular iPhone Bootcamp class, iPhone Programming: The Big Nerd Ranch Guide leads you through the essential tools and techniques for developing applications for the iPhone, iPad, and iPod Touch. In each chapter, you will learn programming concepts and apply them immediately as you build an application or enhance one from a previous chapter. These applications have been carefully designed and tested to teach the associated concepts and to provide practice working with the standard development tools Xcode, Interface Builder, and Instruments. The guide's learn-while-doing approach delivers the practical knowledge and experience you need to design and build real-world applications. Here are some of the topics covered: Dynamic interfaces with animation Using the camera and photo library User location and mapping services Accessing accelerometer data Handling multi-touch gestures Navigation and tabbed applications Tables and creating custom rows Multiple ways of storing and loading data: archiving, Core Data, SQLite Communicating with web services ALocalization/Internationalization "After many 'false starts' with other iPhone development books, these clear and concise tutorials made the concepts gel for me. This book is a definite must have for any budding iPhone developer." –Peter Watling, New Zealand, Developer of BubbleWrap

If you've got incredible iOS ideas, get this book and bring them to life! iOS 7 represents the most significant update to Apple's mobile operating system since the first iPhone was released, and even the most seasoned app developers are looking for information on how to take advantage of the latest iOS 7 features in their app designs. That's where iOS App Development For Dummies comes in! Whether you're a programming hobbyist wanting to build an app for fun or a professional developer looking to expand into the iOS market, this book will walk you through the fundamentals of building a universal app that stands out in the iOS crowd. Walks you through joining Apple's developer program, downloading the latest SDK, and working with Apple's developer tools Explains the key differences between iPad and iPhone apps and how to use each device's features to your advantage Shows you how to design your app with the end user in mind and create a fantastic user experience Covers using nib files, views, view controllers, interface objects, gesture recognizers, and much more There's no time like now to tap into the power of iOS – start building the next big app today with help from iOS App Development For Dummies!

Xcode 5 Start to Finish

An iOS developer's guide to implementing machine learning in mobile apps

The Starters Guide To Start Developing Ios From Beginner To Expert

A Hands-on Guide to the Fundamentals of IOS Programming

Building Immersive Apps Using Xamarin, ARKit, and C#

Xcode Tools Sensei

IOS App Distribution & Best Practices (First Edition)

Leverage the power of Apple's Core ML to create smart iOS apps Key Features Explore the concepts of machine learning and Apple's Core ML APIs Use Core ML to understand and transform images and videos Exploit the power of using CNN and RNN in iOS applications Book Description Core ML is a popular framework by Apple, with APIs designed to support various machine learning tasks. It allows you to train your machine learning models and then integrate them into your iOS apps. Machine Learning with Core ML is a fun and practical guide that not only demystifies Core ML but also sheds light on machine learning. In this book, you'll walk through realistic and interesting examples of machine learning in the context of mobile platforms (specifically iOS). You'll learn to implement Core ML for visual-based applications using the principles of transfer learning and neural networks. Having got to grips with the basics, you'll discover a series of seven examples, each providing a new use-case that uncovers how machine learning can be applied along with the related concepts. By the end of the book, you will have the skills required to put machine learning to work in their own applications, using the Core ML APIs What you will learn Understand components of an ML project using algorithms, problems, and data Master Core ML by obtaining and importing machine learning model, and generate classes Prepare data for machine learning model and interpret results for optimized solutions Create and optimize custom layers for unsupported layers Apply CoreML to image and video data using CNN Learn the qualities of RNN to recognize sketches, and augment drawing Use Core ML transfer learning to execute style transfer on images Who this book is for Machine Learning with Core ML is for you if you are an intermediate iOS developer interested in applying machine learning to your mobile apps. This book is also for those who are machine learning developers or deep learning practitioners who want to bring the power of neural networks in their iOS apps. Some exposure to machine learning concepts would be beneficial but not essential, as this book acts as a launchpad into the world of machine learning for developers.

Develop applications for Mac OS X with this Developer Reference guide Make a clean transition to programming in Apple environments using the elegant and dynamic programming API Cocoa and this practical guide. Written by aseasoned Mac expert, this book shows you how to write programs in Cocoa for the rapidly expanding world of Macintosh users. Part of the Developer Reference series, this book prepares you for a productive programming experience on today's fastest-growing platform. Cocoa is a programming framework for developing in Apple environments, including Mac OS X 10.6 Snow Leopard This book covers all the major information you need to start developing dynamic applications for Mac OS X Master all Cocoa tools, including Xcode and working with Objective-C Includes full coverage of the Cocoa API, Xcode, and Objective-C, as well as programming for Apple's latest OS X, Snow Leopard Companion Web site includes all code files Programming for Apple's Macintosh is a growing career field. This essential guide, one of the most comprehensive on Cocoa, will help you quickly become productive.

The "Be Developer's Guide" and "Be Advanced Topics" are the official programmer's reference manuals for the BeOS, a revolutionary new operating system built around multimedia, threading, and multiprocessing. "Be Developer's Guide" includes the BeOS on CD-ROM. "Be Advanced Topics" includes the "Be-Specific" CD-ROM, from Adamation, containing a variety of tools, applications and freeware designed specifically for the Be platform.

The goal of this book is to teach the skills necessary to build iOS 14 applications using SwiftUI, Xcode 12 and the Swift 5.3 programming language. Beginning with the basics, this book provides an outline of the steps necessary to set up an iOS development environment together with an introduction to the use of Swift Playgrounds to learn and experiment with Swift. The book also includes in-depth chapters introducing the Swift 5.3 programming language including data types, control flow, functions, object-oriented programming, property wrappers and error handling. An introduction to the key concepts of SwiftUI and project architecture is followed by a guided tour of Xcode in SwiftUI development mode. The book also covers the creation of custom SwiftUI views and explains how these views are combined to create user interface layouts including the use of stacks, frames and forms. Other topics covered include data handling using state properties in addition to observable, state and environment objects, as are key user interface design concepts such as modifiers, lists, tabbed views, context menus, user interface navigation, and outline groups. The book also includes chapters covering graphics drawing, user interface animation, view transitions and gesture handling, WidgetKit, document-based apps and SiriKit integration. Chapters are also provided explaining how to integrate SwiftUI views into existing UIKit-based projects and explains the integration of UIKit code into SwiftUI. Finally, the book explains how to package up a completed app and upload it to the App Store for publication. Along the way, the topics covered in the book are put into practice through detailed tutorials, the source code for which is also available for download. The aim of this book, therefore, is to teach you the skills necessary to build your own apps for iOS 14 using SwiftUI. Assuming you are ready to download the iOS 14 SDK and Xcode 12 and have an Apple Mac system you are ready to get started.

Beginning Swift Programming

Learn to Develop iOS Apps Using SwiftUI, Swift 5 and Xcode 12

Xcode 5 Developer Reference

iOS App Development For Dummies

iOS 6 Application Development For Dummies

Be Developer's Guide

iOS Programming For Beginners

Mac OS X, Apple's newest operating system for the Macintosh platform, is profoundly different from its earlier versions because of its similarity to the UNIX operating system. For developers writing software for OS X this means adjusting to two new environments to create applications and to access the enhanced features of the new OS, Cocoa and Carbon. Cocoa is an object-oriented API in which all future OS X programs will be written. Carbon is a transitional technology allowing compatibility of applications written for earlier versions of the Mac OS with Mac OS X. Mac OS X Developer's Guide focuses equally on Cocoa and Carbon, guiding the reader through these technologies and showing how to write applications in both. It is the first book for Mac OS X developers written for those who are already working on applications, as well as new developers just getting started. It starts off describing the new OS and its development tools then focuses on specific programming issues, providing tips on making the transition from classic Mac OS code to Mac OS X. * A guide for developers already writing applications as well as new developers just getting started * Focuses equally on both Cocoa and Carbon environments * Provides tips on transitioning from writing code for classic Mac OS to OS X * References Apple online materials extensively, to keep developers up to speed on changes

Get up to speed on Cocoa and Objective-C, and start developing applications on the iOS and OS X platforms. If you don't have experience with Apple's developer tools, no problem! From object-oriented programming to storing app data in iCloud, the fourth edition of this book covers everything you need to build apps for the iPhone, iPad, and Mac. You'll learn how to work with the Xcode IDE, Objective-C's Foundation library, and other developer tools such as Event Kit framework and Core Animation. Along the way, you'll build example projects, including a simple Objective-C application, a custom view, a simple video player application, and an app that displays calendar events for the user. Learn the application lifecycle on OS X and iOS Work with the user-interface system in Cocoa and Cocoa Touch Use AV Foundation to display video and audio Build apps that let users create, edit, and work with documents Store data locally with the file system, or on the network with iCloud Display lists or collections of data with table views and collection views Interact with the outside world with Core Location and Core Motion Use blocks and operation queues for multiprocessing

Take a bite out of Apple's iPhoneTM success. The Complete Idiot's Guide® to Developing iPhoneTM Apps is the perfect introduction for aspiring iPhoneTM app creators, offering a step-by-step approach exploring all of the tools and key aspects of programming using the iPhoneTM software development kit, including getting the finished product distributed through the App Store. ?Apple also reports more than one billion downloads of their more than 25,000 available applications, and both the number of applications and the appetite for them keeps growing ?Of the more than 50,000 companies and individuals who have registered as program developers, 60 percent have never before developed an Apple platform

Xcode Tools SenseiBlack Apple Software Inc.

Beginning IOS Development with Swift

AppleScript Language Guide

iPhone Game Development

Developing Graphical Applications with OpenGL ES

Objective-C Programming

The Complete Idiot's Guide to Ipad and Iphone App Development

iPad Application Development For Dummies

If you are a designer who knows HTML, CSS, and JavaScript, you can easily learn how to make native iPhone, iPod touch, and iPad apps—and distribute them worldwide via the App Store. When combined with an Objective-C framework, web standards can be used to format and style content for iOS, using native controls and behaviors for an authentic Apple user experience. The Web Designer's Guide to iOS Apps shows how to create apps using NimbleKit, the Objective-C framework featured on the Apple Development Tools web site. With it you'll learn how to: Download and install the free software for creating iOS apps Use Xcode to manage project assets, test apps, and package binary files Implement standard iOS elements and behaviors for familiar Apple mobile user experiences Enhance your app designs with HTML5 and CSS3 Build a foundation for designing web apps that can be delivered to other smartphones and mobile devices

Learn iPhone and iPad Programming via Tutorials! If you're new to iOS and Swift, or to programming in general, learning how to write an app can seem incredibly overwhelming. That's why you need a book that: Shows you how to write an app step-by-step Has tons of illustrations and screenshots to make everything clear Is written in a fun and easygoing manner! In this book, you will learn how to make your own iPhone and iPad apps, through a series of four epic-length hands-on tutorials. These hands-on tutorials describe in full detail how to build a new app from scratch. Four tutorials, four apps. Each new app will be a little more advanced than the one before, and together they cover everything you need to know to make your own apps. By the end of the series you'll be experienced enough to turn your ideas into real apps that you can sell on the App Store. Tutorial 1: Bull's Eye. In the first tutorial in the book, you'll start off by building a simple but fun game to learn the basics of iPhone programming. In the process, you'll get familiar with Xcode, Interface Builder, and Swift in an easygoing manner. Tutorial 2: Checklists. In the second tutorial in the series, you'll create your own to-do list app. In the process, you'll learn about the fundamental design patterns that all iOS apps use and about table views, navigation controllers and delegates. Now you're making apps for real! Tutorial 3: MyLocations. In the third tutorial, you'll develop a location-aware app that lets you keep a list of spots that you find interesting. In the process, you'll learn about Core Location, Core Data, Map Kit, and much more! Tutorial 4: StoreSearch. Mobile apps often need to talk to web services and that's what you'll do in this final tutorial of the book. You'll make a stylish app for iPhone and iPad that lets you search for products on the iTunes store using HTTP requests and JSON. It is my sincere belief that this series can turn you from a complete newbie into an accomplished iOS developer, but you do have to put in the time and effort. By writing this book I've done my part, now it's up to you...

Mac users everywhere--even those who know nothing about programming--are discovering the value of the latest version of AppleScript, Apple's vastly improved scripting language for Mac OS X Tiger. And with this new edition of the top-selling AppleScript: The Definitive Guide, anyone, regardless of your level of experience, can learn to use AppleScript to make your Mac time more efficient and more enjoyable by automating repetitive tasks, customizing applications, and even controlling complex workflows. Fully revised and updated--and with more and better examples than ever--AppleScript: The Definitive Guide, 2nd Edition explores AppleScript 1.10 from the ground up. You will learn how AppleScript works and how to use it in a variety of contexts: in everyday scripts to process automation, in CGI scripts for developing applications in Cocoa, or in combination with other scripting languages like Perl and Ruby. AppleScript has shipped with every Mac since System 7 in 1991, and its ease of use and English-friendly dialect are highly appealing to most Mac fans. Novices, developers, and everyone in between who wants to know how, where, and why to use AppleScript will find AppleScript: The Definitive Guide, 2nd Edition to be the most complete source on the subject available. It's as perfect for beginners who want to write their first script as it is for experienced users who need a definitive reference close at hand. AppleScript: The Definitive Guide, 2nd Edition begins with a relevant and useful AppleScript overview and then gets quickly to the language itself; when you have a good handle on that, you get to see AppleScript in action, and learn how to put it into action for you. An entirely new chapter shows developers how to make your Mac applications scriptable, and how to give them that Mac OS X look and feel with AppleScript Studio. Thorough appendixes deliver additional tools and resources you won't find anywhere else. Reviewed and approved by Apple, this indispensable guide carries the ADC (Apple Developer Connection) logo.

Xcode Tools Sensei is a book about Apple's developer tools that are used to create Mac and iOS applications. This book doesn't stop with Xcode and Interface Builder. Xcode Tools Sensei covers a dozen developer tools, both graphical and command-line tools. You will learn how to profile your code and check for memory leaks with Instruments, write shaders with OpenGL Shader Builder, and uncover performance problems with OpenGL ES Performance Detective. If you want to spend more time creating, testing, and profiling your applications and less time wading through Apple's documentation, get a copy of Xcode Tools Sensei. This edition has been updated for Xcode 4.5 and iOS 6. Some of the new material in this edition includes auto layout for iOS applications, cherry picking commits, and creating base localizations to simplify application localization.

Macintosh Human Interface Guidelines

Swift Translation Guide for Objective-C Developers

iPhone 3D Programming

Xcode 4

Comprehensive Tutorial and Reference Via Swift

Machine Learning with Core ML

Scripting and Automating Your Mac

Want to write iOS apps or desktop Mac applications? This introduction to programming and the Objective-C language is your first step on the journey from someone who uses apps to someone who writes them. Based on Big Nerd Ranch's popular Objective-C Bootcamp, Objective-C Programming: The Big Nerd Ranch Guide covers C, Objective-C, and the common programming idioms that enable developers to make the most of Apple technologies. Compatible with Xcode 5, iOS 7, and OS X Mavericks (10.9), this guide features short chapters and an engaging style to keep you motivated and moving forward. At the same time, it encourages you to think critically as a programmer. Here are some of the topics covered: Using Xcode, Apple's documentation, and other tools Programming basics: variables, loops, functions, etc. Objects, classes, methods, and messages Pointers, addresses, and memory management with ARC Properties and Key-Value Coding (KVC) Class extensions Categories Classes from the Foundation framework Blocks Delegation, target-action, and notification design patterns Key-Value Observing (KVO) Runtime basics

Attention .NET developers, here is your starting point for learning how to create and publish augmented reality (AR) apps for iOS devices. This book introduces and explores iOS augmented reality mobile app development specifically for .NET developers. The continued adoption and popularity of Xamarin, a tool that allows cross-platform mobile application development, opens up many app publishing opportunities to .NET developers that were never before possible, including AR development. You will use Xamarin to target Apple's augmented reality framework, ARKit, to develop augmented reality apps in the language you prefer—C#. Begin your journey with a foundational introduction to augmented reality, ARKit, Xamarin, and .NET. You will learn how this remarkable collaboration of technologies can produce fantastic experiences, many of them never before tried by .NET developers. From there you will dive into the fundamentals and then explore various topics and AR features. Throughout your learning, proof of concepts will be demonstrated to reinforce learning. After reading this book you will have the fundamentals you need, as well as an understanding of the overarching concepts that combine them. You will come away with an understanding of the wide range of augmented reality features available for developers, including the newest features included in the latest versions of ARKit. What You Will Learn Create rich commercial and personal augmented reality mobile apps Explore the latest capabilities of ARKit Extend and customize chapter examples for building your own amazing apps Graduate from traditional 2D UI app interfaces to immersive 3D AR interfaces Who This Book Is For Developers who want to learn how to use .NET and C# to create augmented reality apps for iOS devices. It is recommended that developers have some Xamarin experience and are aware of the cross-platform options available to .NET. A paid Apple developer account is not needed to experiment with the AR code samples on your devices.

You'll begin with Swift programming basics-including guidelines for making your code "Swifty"-and learn how to work with Xcode and its built-in Interface Builder. Then you'll dive step-by-step into building and customizing a basic app for taking, editing, and deleting selfies. You'll also tune and test the app for performance and manage the app's presence in the App Store.Swift is a general-purpose, multi-paradigm, object-oriented, functional, imperative and block structured language. It is the result of the latest research on programming languages and is built using a modern approach to safety, software design patterns by Apple Inc.. It is the brand new programming language for iOS application, macOS application, watchOS application, tvOS application. Soon it became one of top 5 programming language and gained popularity among Apple developer community over the few years of time replacing the old school Objective C. What you will learn Understand core Swift components, such as operators, collections, control flows, and functions Learn how and when to use classes, structures, and enumerations Understand how to use protocol-oriented design with extensions to write easier-to-manage code Use design patterns with Swift to solve commonly occurring design problems Apply copy-on-write for your custom value types to improve performance Add concurrency to your applications using Grand Central Dispatch and Operation Queues Implement generics to write flexible and reusable code Who this book is forThis book is for developers who want to delve into the latest version of Swift. If you are a developer looking to learn in a practical way by working with code, then this book is for you. A basic understanding of Apple's tools will be beneficial but not mandatory. All examples should work on the Linux platform as well.Want To Know More?Scroll to the top and select buy.

That's where iOS Development Whether you're a programming hobbyist wanting to build an app for fun or a professional developer looking to expand into the iOS market, this book will walk you through the fundamentals of building a universal app that stands out in the iOS crowd. Walks you through joining Apple's developer program, downloading the latest SDK, and working with Apple's developer tools Explains the key differences between iPad and iPhone apps and how to use each device's features to your advantage Shows you how to design your app with the end user in mind and create a fantastic user experience Covers using nib files, views, view controllers, interface objects, gesture recognizers, and much more There's no time like now to tap into the power of iOS

OpenGL Programming Guide

Complete IOS 12 Development Guide

Develop and Design

A Learner's Guide to Creating Objective-C Applications for the IPhone and IPad

Learn to Share Apps With Teams, Testers & the World

The Web Designer's Guide to iOS Apps

iPhone Programming

New Apple Developer Series! A technical and business guide to creating and selling iPhone games If you've always wanted to develop a cool iPhone game application and sell it for big bucks, this book is for you. iPhone Game Development covers all technical and commercial bases, from how to sign up for the Apple Development Program, master the development tools in the iPhone SDK, publish your game to the App Store, and convince people to buy it. You'll find full coverage of Cocoa Touch and other great features of the iPhone SDK, plus pages of real-world examples with step-by-step explanations. The book also includes loads of royalty-free code you can use for commercial development. Apple's iPhone is not only a mobile phone, it's also a game platform rivaling big names like Nintendo and Sony; anyone can sign up for the Apple Developer Program and publish their works to the App Store This hip book written by two successful gamers with over a decade of game development experience will teach you both the technical and business aspects of developing and publishing a game to the App Store, plus how to convince end-users to buy it Includes examples with step-by-step explanations of actual games and apps currently on the App Store A Companion Web site provides royalty-free code from the samples in the book, which you can use to jumpstart your own game development Save weeks of development time with the expert guidance you'll find in iPhone Game Development! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This book provides authoritative information on the theory behind the Macintosh 'look and feel' and the practice of using individual interface components. It includes many examples of good design and explains why one implementation is superior to another. Anyone designing or creating a product for Macintosh computers needs to understand the information in this book. Annotation APPLE DESIGNED SWIFT SO YOU wouldn't need previous Apple programming experience, but many Apple developers will want to take advantage of Swift in existing projects--as well as start writing projects from scratch. In this compact, to-the-point guide, author and iOS developer Maurice Kelly steps existing Objective-C developers through the basics of the Swift language--including types, syntax, variables, strings, and classes--and explores how to use Swift with existing projects and create new apps written completely in Swift.If you are an Apple developer, this book will quickly give you a solid foundation for writing Swift apps.THIS BOOK INCLUDES:Detailed instruction and clear examplesReal-world guidance and adviceDetailed directions for using Swift's playgrounds to experiment with your code with a minimum of hassleEmphasis on the core components of the languageCOMPANION WEBSITE:http://swift-translation.guide/includes additional resources.

Learn to create professional-grade iOS applications for the App Store using the latest iOS 12 features and other helpful tools Key Features Explore the distinctive design principles that define the iOS user experience Train and use machine learning models with Core ML 2 and Create ML Delve into advanced animations with UIViewPropertyAnimator and UIKitDynamics Book Description With Apple users spending more money in the App Store, there are plenty of development opportunities for professional iOS developers. This Learning Path is a direct route to iOS development, which will take you through the basics and help you put principles into practice. For experienced programmers, this book will help you gain insights into the latest iOS 12 features. This book is also useful for beginners who want to gain expertise in iOS development. You'll start with an introduction to iOS development, Xcode, and Swift. To give your app the edge, you'll get up to speed with advanced iOS topics, such as gestures and animations. Next, you will understand the latest Swift 4.2 and iOS 12 developments by incorporating new features, such as the latest in notifications, custom-UI notifications, maps, and recent additions in SiriKit. With these tools, you'll be able to write efficient, readable, and maintainable Swift code that maintains industry best practices. By the end of the book, you will have the confidence to build iOS 12 applications that harness advanced techniques and make the best use of the latest features. This Learning Path includes content from the following Packt products: iOS 12 Programming for Beginners - Third Edition by Craig Clayton Mastering iOS 12 Programming - Third Edition by Donny Wals What you will learn Build a responsive user interface (UI) and add privacy to your custom-rich notifications Set up SiriKit to add voice for Siri shortcuts Integrate iMessage, Siri, and more in your app through app extensions Use TestFlight to collect feedback before releasing your apps on the App Store Use Auto Layout to create complex layouts that look visually appealing on any device Enhance your app by building your own profiling tools Create engaging augmented reality experiences with ARKit 2 Who this book is for If you are completely new to Swift, iOS, or programming and want to become an expert in developing iOS applications, this Learning Path is for you. You'll also find this Learning Path useful if you're an experienced programmer looking to explore the latest iOS 12 features.

IOS Apprentice

The Ultimate iOS App Developer's Guide

Developing for the Mac and iOS App Stores

Mac OSX Developer's Guide

Swift Programming

iOS and OS X Development

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. Through the authors' carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style. This book is written for Swift 3.0 and will also show you how to navigate Xcode 8 and get the most out of Apple's documentation. Throughout the book, the authors share their insights into Swift to ensure that you understand the hows and whys of Swift and can put that understanding to use in different contexts. After working through the book, you will have the knowledge and confidence to develop your own solutions to a wide range of programming challenges using Swift.

Provides information on using iOS SDK tools to create applications for the iPhone and the iPad.

Master Metal: The Next-Generation Graphics and GPU Programming Platform for Apple Developers Metal enables Apple developers to maximize performance in demanding tasks like 3D graphics, games, scientific programming, visualization, and GPU-accelerated machine learning. Metal(R) Programming Guide is the authoritative, practical guide to Metal for all iOS programmers who are interested in graphics programming but don't know where to start. Pioneering Apple developer Janie Clayton covers everything from basic draw calls to advanced parallel computing, combining easy-to-understand conceptual explanations with well-tested Swift 4/Xcode 9 sample code (available for download at GitHub). Clayton introduces the essential Metal, graphics, and math concepts every graphics programmer needs to know. She also discusses key graphics-specific libraries, concepts, and Metal Classes, presenting techniques and examples you'll find valuable for both graphics and data processing. Clayton also provides coverage of the Metal Compute Pipeline, demonstrating practical GPU programming applications ranging from image processing to neural networking. Quickly get a basic Metal project running Work with Metal resources and memory management Learn how shaders are compiled and accessed by the CPU Program both 2D and 3D graphics with Metal Import 3D models and assets from Blender, Maya, and other programs Apply imported textures to model objects Use multipass rendering to efficiently implement computationally expensive techniques Leverage tessellation to reduce mesh detail Use the GPU for a wide spectrum of general-purpose computing applications Get started with the Metal Performance Shaders Framework Register your product at informit.com/register for convenient access to downloads, updates, and/or corrections as they become available. Normal 0 false false false EN-US X-NONE X-NONE

Everything you need to know to design, code, and build amazing apps Xcode 4 is Apple's newest version of the popular development suite for creating bleeding-edge OS X and iOS apps. Written by an experienced developer and Apple-focused journalist, this book not only covers developing for OS X but also for the entire family of iOS devices, including the iPhone, iPad, and iPod touch. You'll explore the newest tools for compiling, debugging, and finding and fixing common code errors so that you can look forward to improved, smooth-running code that is developed more efficiently than ever. Takes you step-by-step through the process of developing OS X and iOS applications using Xcode 4 Examines the benefits of Xcode 4, Apple's updated, free, object oriented programming environment Helps you tame the complex Xcode environment so you can develop amazing apps This book gets you up to speed on all the remarkable new features and redesigned user interface of Xcode 4 so you can get started creating phenomenal apps today.

AppleScript

The Complete Ios Development

The Big Nerd Ranch Guide

Create iPhone, iPod touch, and iPad apps with Web Standards (HTML5, CSS3, and JavaScript)

Computer Science and Software Engineering

Apple's definitive guide to the powerful AppleScript scripting language, thisbook provides essential information for Macintosh power users and programmerswho want to use AppleScript to write new scripts, modify existing scripts, orwrite scriptable applications.