

Programming IOS 9: Dive Deep Into Views, View Controllers, And Frameworks

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads Stay up-to-date on iOS 11 innovations, such as: Drag and drop Autolayout changes (including the new safe area)

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Stretchable navigation bars Table cell swipe buttons Dynamic type improvements Offline sound file rendering, image picker controller changes, new map annotation types, and more All example code (now rewritten in Swift 4) is available on GitHub for you to download, study, and run. Want to brush up on the basics? Pick up iOS 11 Programming Fundamentals with Swift to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 11, you'll gain a solid, rigorous, and practical understanding of iOS 11 development.

Make Delightful Animations with Swift! There's no denying it: creating animations is one of the most enjoyable parts of iOS development. Animations are fun to create, they breathe life into your user interface, and they make your app a delight to use. In this book, you'll learn about iOS animation in Swift from beginning to advanced through a series of hands-on tutorials and challenges, that make your app look and feel great. Who This Book Is For This book is for intermediate to advanced developers, who already know

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the basics of iOS and Swift development and want to dive deep into animations. Topics Covered in iOS Animations by Tutorials: View Animations: Start with the basics by learning how to animate views: size, position, color, and more. Springs: Make your animations bounce with realistic spring behavior. Transitions: Add subtle transitions when you add or remove subviews. Keyframe Animations: Learn how to make complex animations with precise multi-stage timing. Animation and Auto Layout: Learn how to animate with Auto Layout by animating constraints. Layer Animations: Dive deeper and use layer animation for more advanced techniques. Shapes and Masks: Learn how to use shapes and layer masks for cool effects. Gradient Animations: Make moving gradients like the "slide to unlock" screen. Stroke and Path Animations: Animate lines moving over time along a path. 3D Animations: Rotate, translate, and scale your layers over time in three dimensions. And much more, including: Particle emitters, frame animations, third party animation libraries, and more!

And Conclusion Chapter 2. Functions; Function Parameters and Return Value; Void Return Type and Parameters; Function Signature; External Parameter Names; Overloading; Default Parameter Values; Variadic Parameters; Ignored Parameters; Modifiable Parameters; Function In Function; Recursion; Function As Value; Anonymous Functions; Define-and-Call; Closures; How Closures Improve Code; Function Returning Function; Closure Setting a Captured Variable; Closure Preserving Its Captured Environment; Curried Functions; Chapter 3. Variables and Simple Types; Variable Scope and Lifetime.

Build your own low-level game engine in Metal! This book introduces you to graphics programming in Metal - Apple's framework for programming on the GPU. You'll build your own game engine in Metal where you can create 3D scenes and build your own 3D games. Who This Book Is For This book is for intermediate Swift developers interested in learning 3D graphics or gaining a deeper understanding of how game engines work. Topics Covered in Metal by Tutorials The

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Rendering Pipeline: Take a deep dive through the graphics pipeline. 3D Models: Import 3D models with Model I/O and discover what makes up a 3D model. Coordinate Spaces: Learn the math behind 3D rendering. Lighting: Make your models look more realistic with simple lighting techniques. Textures & Materials: Design textures and surfaces for micro detail. Character Animation: Bring your 3D models to life with joints and animation. Tessellation: Discover how to use tessellation to add a greater level of detail using fewer resources. Environment: Add a sky to your scenes and use the sky image for lighting. Instancing & Procedural Generation: Save resources with instancing, and generate scenes algorithmically. Multipass & Deferred Rendering: Add shadows with advanced lighting effects. And more! After reading this book, you'll be prepared to take full advantage of graphics rendering with the Metal framework.

***An Advanced Exploration of the Swift Language
IOS 9 Programming Fundamentals with Swift
Data Structures & Algorithms in Swift (Fourth Edition)***

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IOS 11 Programming Fundamentals with Swift

iOS 15 Programming Fundamentals with Swift

IOS Animations by Tutorials (Sixth Edition): Setting Swift in Motion

Develop and Design

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It

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is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation,

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inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

Learn Reactive Programming in Swift with RxSwift!The popularity of reactive programming continues to grow on an every-increasing number of platforms and languages. Rx lets developers easily and quickly build apps with code that can be understood by other Rx developers - even over different platforms.Not only will you learn how to use the RxSwift port to create complex reactive applications on iOS, you'll also see how to easily solve common application design issues by using RxSwift. Finally you'll discover how to exercise full control over the library and leverage the full power of reactive programming in your apps.This books is for iOS developers who already feel comfortable with iOS and Swift, and want to dive deep into development with RxSwift.Topics Covered in RxSwift:- Getting Started: Get an introduction to the reactive programming paradigm, learn the terminology involved and see how to begin using RxSwift in your projects.- Event Management: Learn how to handle asynchronous event sequences via two key concepts in Rx - Observables and Observers.- Being Selective: See how to work with various events using concepts such as filtering, transforming, combining, and time operators.- UI Development: RxSwift makes it easy to work with UI of your apps using RxCocoa, which provides integration of both UIKit and Cocoa.- Intermediate Topics: Level up your RxSwift knowledge with chapters on reactive networking, multi-threading, and error handling.And much, much more!By the end of this book, you'll have hands-on experience

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solving common issues in a reactive paradigm - and you'll be well on your way to coming up with your own Rx patterns and solutions!

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 12 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5.3. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the life cycle of an Xcode project Learn how nibs are loaded Understand Cocoa's event-driven design Communicate with C and Objective-C In this edition, catch up on the latest iOS programming features: Multiple trailing closures Code editor document tabs New Simulator features Resources in Swift packages Logging and testing improvements And more! Once you master the fundamentals, you'll be ready to tackle the details of iOS app development with author Matt Neuburg's companion guide, Programming iOS 14.

"A comprehensive guide to building, packaging, and distribution"--Cover.

RxSwift (Fourth Edition)

Practical Artificial Intelligence with Swift

Multithreading in Swift with GCD and Operations

Programming IOS 13

iOS 14 Programming for Beginners

Dive Deep into Views, View Controllers, and Frameworks

iOS 12 Programming Fundamentals with Swift

Programming IOS 9 Dive Deep Into Views, View Controllers, and Frameworks" O'Reilly Media,

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Inc."

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 9 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 4. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Explore Swift's object-oriented concepts; become familiar with built-in Swift types; dive deep into Swift objects, protocols, and generics; tour the lifecycle of an Xcode project; learn how nibs are loaded; understand Cocoa's event-driven design; and communicate with C and Objective-C. In this edition, catch up on the latest iOS programming features: Multiline strings and improved dictionaries, object serialization, key paths and key-value observing, expanded git integration, code refactoring, and more! Once you master the fundamentals, you'll be ready to tackle the details of iOS app development with author Matt Neuburg's companion guide, *Programming iOS 11*. If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Stay up-to-date on iOS 9 innovations, such as the new layout constraint notation, expanded UIKit dynamics, revised unwind segues, iPad multitasking, and the Contacts framework. All example code is available on GitHub for you to download, study, and run. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple interface screens Master interface classes for

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scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Understand further topics, including files, networking, and threads Get ready to create killer apps for iPad and iPhone on the new iOS 7! With Apple's introduction of iOS 7, demand for developers who know the new iOS will be high. You need in-depth information about the new characteristics and capabilities of iOS 7, and that's what you'll find in this book. If you have experience with C or C++, this guide will show you how to create amazing apps for iPhone, iPad, and iPod touch. You'll also learn to maximize your programs for mobile devices using iPhone SDK 7.0. Advanced topics such as security services, running on multiple iPlatforms, and local networking with Core Bluetooth are also covered. Prepares experienced developers to create great apps for the newest version of Apple's iOS Thoroughly covers the serious capabilities of iOS 7; information you need in order to make your apps stand out Delves into advanced topics including how to control multitasking, security services, running apps on multiple iPlatforms and iDevices, enabling in-app purchases, advanced text layout, and building a core foundation Also covers REST, advanced GCD, internationalization and localization, and local networking with Core Bluetooth iOS 7 Programming: Pushing the Limits will help you develop applications that take full advantage of everything iOS 7 has to offer.

Flutter Apprentice (Second Edition)

Programming iOS 14

iOS 11 Swift Programming Cookbook

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Get started with building iOS apps with Swift 5.3 and Xcode 12, 5th Edition

From Xcode to App Store

Apple Augmented Reality by Tutorials (First Edition)

Mastering Swift 5

NOTE: This edition is now out of date, and does not conform with the current version of Swift. Please check out the newer edition instead, which is ISBN 9780134289779. LEARNING A NEW PROGRAMMING LANGUAGE can be daunting. With Swift, Apple has lowered the barrier of entry for developing iOS and OS X apps by giving developers an innovative new programming language for Cocoa and Cocoa Touch. If you are new to Swift, this book is for you. If you have never used C, C++, or Objective-C, this book is definitely for you. With this hands-on guide, you'll quickly be writing Swift code, using Playgrounds to instantly see the results of your work. Author Boisy G. Pitre gives you a solid grounding in key Swift language concepts—including variables, constants, types, arrays, and dictionaries—before he shows you how to use Swift's innovative Xcode integrated development environment to create apps for iOS and OS X. THIS BOOK INCLUDES: Detailed instruction, ample illustrations, and clear examples Real-world guidance and advice Best practices from an experienced Mac and iOS developer Emphasis on how to use Xcode, Playgrounds, and the REPL COMPANION WEBSITE: www.peachpit.com/swiftbeginners includes additional resources.

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view

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controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, collection views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads Stay up-to-date on iOS 14 innovations, such as: Control action closures and menus Table view cell configuration objects Collection view lists and outlines New split view controller architecture Pointer customization on iPad New photo picker and limited photos authorization Reduced accuracy location Color picker, new page control behavior, revised date pickers, and more! Want to brush up on the basics? Pick up iOS 14 Programming Fundamentals with Swift to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 14, you'll gain a solid, rigorous, and practical understanding of iOS 14 development.

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads Stay up-to-date on iOS 12 innovations, such as User Notification framework

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improvements, as well as changes in Xcode 10 and Swift 4.2. All example code is available on GitHub for you to download, study, and run. Want to brush up on the basics? Pick up iOS 12 Programming Fundamentals with Swift to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 12, you'll gain a solid, rigorous, and practical understanding of iOS 12 development.

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Stay up-to-date on iOS 10 innovations, such as property animators, force touch, speech recognition, and the User Notification framework, as well as Xcode 8 improvements for autolayout and asset catalogs. All example code (now rewritten in Swift 3) is available on GitHub for you to download, study, and run. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads Want to brush up on the basics? Pick up iOS 10 Programming Fundamentals with Swift (978-1-491-97007-2) to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 10, you'll gain a solid, rigorous, and practical understanding of iOS 10 development.

Programming iOS 13

Learning iPhone Programming

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Reactive Programming with Swift

Advanced Swift

Create Experiences with ARKit, RealityKit & Reality Composer

Essential IOS Build and Release

From Fundamental Theory to Development of AI-Driven Apps

This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms. iOS 14 Programming for Beginners is an introductory guide to learning the essentials of Swift programming and iOS development for building your first iOS app and publishing it on the App Store. Fully updated to cover the latest features in iOS 14, this practical guide will help you get up to speed with writing iOS apps from scratch.

Get the hands-on experience you need to program for the iPhone and iPod Touch. With this easy-to-follow guide, you'll build several sample applications by learning how to use Xcode tools, the Objective-C programming language, and the core frameworks. Before you know it, you'll not only have the skills to develop your own apps, you'll know how to sail through the process of submitting apps to the iTunes App Store. Whether you're a developer new to Mac programming or an

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experienced Mac developer ready to tackle the iPhone and iPod Touch, Learning iPhone Programming will give you a head start on building market-ready iPhone apps. Start using Xcode right away, and learn how to work with Interface Builder Take advantage of model-view-controller (MVC) architecture with Objective-C Build a data-entry interface, and learn how to parse and store the data you receive Solve typical problems while building a variety of challenging sample apps Understand the demands and details of App Store and ad hoc distribution Use iPhone's accelerometer, proximity sensor, GPS, digital compass, and camera Integrate your app with iPhone's preference pane, media playback, and more

Advanced Swift takes you through Swift's features, from low-level programming to high-level abstractions. In this book, we'll write about advanced concepts in Swift programming. If you have read the Swift Programming Guide, and want to explore more, this book is for you. Swift is a great language for systems programming, but also lends itself for very high-level programming. We'll explore both high-level topics (for example, programming with generics and protocols), as well as low-level topics (for example, wrapping a C library and string internals).

Metal by Tutorials (Second Edition): Beginning Game Engine Development with Metal

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iOS Development with Swift

iOS 13 Programming Fundamentals with Swift

Programming iOS 9

Swift, Xcode, and Cocoa Basics

Creating Mobile Apps with Xamarin.Forms Preview Edition 2

Updated for Swift 3

Start building apps for iOS 8 with Apple's Swift programming language. If you're grounded in the basics of Xcode and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and use iOS frameworks for adding features such as audio and video, access to user calendars and photos, and tracking the device's location. Example code is available on GitHub in the form of full projects that you can download, study, and run. Build iOS apps with Swift Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens in a way that's understandable to users Explore UIKit interface objects, such as scroll views, table views, popovers, web views, and maps Work with Cocoa frameworks for sensors, location, sound, and video Access user libraries: music, photos, address book, and calendar Examine additional topics including data storage, file sharing, networking,

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and threading Topics new to iOS 8 include: Major changes in app coordinate space and interface rotation Trait collections and size classes View margins, visual effect views, and major animation changes Changes to presented view controllers, popovers and split view controllers, alert and action sheet architecture Table view automatic variable row heights and sliding cells Classes for search results display, web view, video display, and audio mixing and effects Today extensions, Actions extensions, Photo Editing extensions Xcode 6 features: conditional constraints, view debugging, designable views, inspectable properties, new segue types Learn Data Structures & Algorithms in Swift! Data structures and algorithms form the basis of computer programming and are the starting point for anyone looking to become a software engineer. Choosing the proper data structure and algorithm involves understanding the many details and trade-offs of using them, which can be time-consuming to learn - and confusing. This is where this book, *Data Structures & Algorithms in Swift*, comes to the rescue! In this book, you'll learn the nuts and bolts of how fundamental data structures and algorithms work by using easy-to-follow tutorials loaded with illustrations; you'll also learn by working in Swift playground code. Who This Book Is For This book is for developers who know the basics of Swift syntax and want a better theoretical understanding of

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what data structures and algorithms are to build more complex programs or ace a whiteboard interview. Topics Covered in Data Structures & Algorithms in Swift*Basic data structures and algorithms, including stacks, queues and linked lists. *How protocols can be used to generalize algorithms. *How to leverage the algorithms of the Swift standard library with your own data structures. *Trees, tries and graphs. *Building algorithms on top of other primitives. *A complete spectrum of sorting algorithms from simple to advanced. *How to think about algorithmic complexity. *Finding shortest paths, traversals, subgraphs and much more. After reading this book, you'll have a solid foundation on data structures and algorithms and be ready to solve more complex problems in your apps elegantly.

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks

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for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 10 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Explore Swift's object-oriented concepts Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the lifecycle of an Xcode project Learn how nibs are loaded Understand Cocoa's event-driven design Communicate with C and Objective-C Once you master the fundamentals, you'll be ready to tackle the details of iOS app development with author Matt Neuburg's companion guide, Programming iOS 13.

Programming iOS 10

Swift for Beginners

A Comprehensive Guide to Building, Packaging, and Distribution

iOS Apprentice

Programming iOS 12

iOS 7 Programming Pushing the Limits

Build for iOS & Android With Flutter!Flutter is an exciting development toolkit that lets you build apps for iOS, Android and even web and desktop, all from a single codebase.It uses a declarative approach to UI development. You can "hot reload" code while developing, and apps will perform at native speed thanks to its custom rendering engine.With Flutter and Flutter Apprentice, you can achieve the dream of building fast applications, faster.Who This Book Is ForThis book is for developers who are new to Flutter, and also developers that already have some experience with building apps for the iOS and Android platforms, or web apps.Topics Covered in Flutter ApprenticeWidgets: Use Flutter widgets to build modern mobile user interfaces.Navigation: Navigate between multiple screens within a Flutter app, including using deep links.Networking and Persistence: Fetch data from the network, parse the JSON response and cache data locally in a SQLite database.State Management: Explore the all-important idea of state management in Flutter and learn about various state management techniques and tools.Streams: Learn about Dart streams and how to use them in Flutter apps.Deployment: Learn to prepare and deploy

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your app to mobile app stores. One thing you can count on: After reading this book, you'll be prepared to create and deploy full-featured mobile apps to both the iOS App Store and the Google Play Store, without having to write two separate apps.

Create and implement AI-based features in your Swift apps for iOS, macOS, tvOS, and watchOS. With this practical book, programmers and developers of all kinds will find a one-stop shop for AI and machine learning with Swift. Taking a task-based approach, you'll learn how to build features that use powerful AI features to identify images, make predictions, generate content, recommend things, and more. AI is increasingly essential for every developer—and you don't need to be a data scientist or mathematician to take advantage of it in your apps. Explore Swift-based AI and ML techniques for building applications. Learn where and how AI-driven features make sense. Inspect tools such as Apple's Python-powered Turi Create and Google's Swift for TensorFlow to train and build models. I: Fundamentals and Tools—Learn AI basics, our task-based approach, and discover how to build or find a dataset. II: Task Based AI—Build vision, audio, text, motion, and augmentation-related features; learn how to convert

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preexisting models. III: Beyond—Discover the theory behind task-based practice, explore AI and ML methods, and learn how you can build it all from scratch... if you want to

Provides information on using iOS 6 to create applications for the iPhone, iPad, and iPod Touch.

Swift is the definitive language for Apple development today and it's a vital part of any iOS and macOS developer's skill set. The Mastering Swift book over the years has established itself as one of the popular choices for an in-depth and practical guide on Swift programming language amongst developers. The latest fifth edition is fully ...

Real-World App Architecture in Swift

Programming IOS 8

Beginning IOS Development with Swift

The Bulgarian C# Book

Implementing Practical Data Structures with Swift

Speaking JavaScript

Develop Advance Applications for Apple iPhone, iPad, and iPod Touch

Deep Dive Into Swift! Swift is a rich language with a plethora of features to offer. Reading the official documentation or entry-level books is important, but it's not enough to grasp the true power of the

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language. Expert Swift is here to help, by showing you how to harness the full power of Swift. You'll learn about advanced usages of protocols, generics, functional reactive programming, API design and more. Who This Book is For This book is for intermediate Swift developers who already know the basics of Swift and are looking to deepen their knowledge and understanding of the language. Topics Covered in Expert Swift

Protocols and Generics: Learn how protocols and generics work, and how you can leverage them in your code to produce clean, long-lasting and easy-to-refactor APIs. Sequences and Collections: Learn how to use Sequences and Collections to write generic algorithms that operate across type families. Unsafe: Understand the memory layout of types and how to use typed and untyped pointers. Functional Reactive Programming: Explore the most important and refined concepts of functional reactive programming and how you can apply these concepts to your apps. Objective-C Interoperability: Learn how to expose Objective-C code to Swift and vice versa. Library and API Design: Enhancing your skill set and intuition for designing great APIs. One thing you can count on: after reading this book, you'll be prepared to use the advanced features of Swift and improve your existing code with the knowledge you'll acquire.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 9 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 4. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Explore Swift's object-oriented concepts Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the lifecycle of an Xcode project Learn how nibs are loaded Understand Cocoa's event-driven design Communicate with C and Objective-C Once you master the fundamentals, you'll be ready to tackle the details of iOS app development with author Matt Neuburg's companion guide, Programming iOS 12.

Learn Augmented Reality! Augmented reality is going to be the next big thing - there's absolutely no doubt

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about it. If you want to build realistic and immersive AR experiences for the Apple platform, this book is your golden ticket. Apple Augmented Reality by Tutorials is the easiest and fastest way to get hands-on experience using Apple frameworks and technologies like Reality Composer, RealityKit, and ARKit. Who This Book Is For This book is for beginner to intermediate iOS developers who already know the basics of Swift development and are looking to build immersive AR experiences for the Apple platform. Topics Covered in Apple AR by Tutorials AR Quick Look: Discover how to integrate AR Quick Look into your apps to give them some cool AR superpowers. Reality Composer & Reality Files: Find out how to leverage the power of Reality Composer to create interactive AR-based experiences. Reality Converter & PBR Materials: Discover how PBR materials can add a level of realism to your AR objects, and how to use Reality Converter to convert, view & customize USDZ content. RealityKit: Learn to set up and use RealityKit to build a face-based augmented reality app. Facial Blend Shapes: Build a fully interactive augmented reality face mask that reacts to your facial expressions using blend shapes. ARKit: Get a complete introduction to ARKit, Apple's framework for creating fully interactive augmented reality, and learn about the different types of rendering options available with ARKit. Raycasting & Physics: Learn about raycasting, 2D hit-testing and the SpriteKit physics engine as you add more features and functionality to your game. ECS & Collaborative Experiences: Build a collaborative AR experience and learn how to create and manage a multiplayer connection. After reading this book, you'll have a deep understanding of the technologies and frameworks used to create powerful, immersive AR experiences for the Apple platform.

Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks.

Concurrency by Tutorials (Second Edition)

Learn to Build Cross-Platform Apps

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Expert Swift (First Edition)

Programming iOS 14: Dive Deep Into Views, View Controllers, and Frameworks

Dive Deep Into Views, View Controllers, and Frameworks

iOS 14 Programming Fundamentals with Swift

Programming iOS 11

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

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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... Like it or not, JavaScript is everywhere these days—from browser to server to mobile—and now you, too, need to learn the language or dive deeper than you have. This concise book guides you into and through JavaScript, written by a veteran programmer who once found himself in the same position. Speaking JavaScript helps you approach the language with four standalone sections. First, a quick-start guide teaches you just enough of the language to help you be productive right away. More experienced JavaScript programmers will find a complete and easy-to-

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read reference that covers each language feature in depth. Complete contents include: JavaScript quick start: Familiar with object-oriented programming? This part helps you learn JavaScript quickly and properly. JavaScript in depth: Learn details of ECMAScript 5, from syntax, variables, functions, and object-oriented programming to regular expressions and JSON with lots of examples. Pick a topic and jump in. Background: Understand JavaScript's history and its relationship with other programming languages. Tips, tools, and libraries: Survey existing style guides, best practices, advanced techniques, module systems, package managers, build tools, and learning resources.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 13 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5.5. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Explore Swift's object-oriented concepts Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the life cycle of an Xcode project Learn how nibs are loaded Understand Cocoa's event-driven design Communicate with C and Objective-C In this edition, catch up on the latest iOS programming features: Structured concurrency: async/await, tasks, and actors Swift

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native formatters and attributed strings Lazy locals and throwing getters Enhanced collections with the Swift Algorithms and Collections packages Xcode tweaks: column breakpoints, package collections, and Info.plist build settings Improvements in Git integration, localization, unit testing, documentation, and distribution And more! Apply Different Architectures to Your Codebase! Advanced iOS App Architecture guides you through building one real-world app written in different architectures to give you hands-on and practical experience working in different architectures. This book will also guide you through the theory you need to gain a solid foundation of architecture concepts so that you can make your own informed decisions on how to use them in your codebase. Who This Book Is For This book is for intermediate iOS developers who already know the basics of iOS and are looking to build apps using defined architectures, making apps cleaner and easier to maintain. Topics Covered in Advanced iOS App Architecture Navigating Architecture Topics: Learn the theory behind various architectures to help inform which works best for you in different situations you may face. Managing Dependencies: Learn how to manage dependencies both internally and externally within your app. MVVM Architecture: Explore the history of the MVVM architecture and begin building KOOBER - the book's project app - using MVVM principles. Redux Architecture: Explore the history of the Redux

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architecture and continue building KOOBER using Redux principles.
Elements Architecture: Explore the history of the Elements architecture and continue building KOOBER using Elements principles.
SwiftUI: Explore SwiftUI and find out how to adapt existing application architectures for use with SwiftUI. After reading this book, you'll have the knowledge to decide which types of architecture components suit your apps and you'll have a deep understanding of the covered architectures. About the iOS Architecture Team The architecture team is a group of seasoned developers who work for large multi-national companies who deal with large and diverse code bases on a daily basis. The knowledge procured over years of development is now being transferred to you through book. We hope you enjoy the book and, hopefully, you'll apply some of the architectures you've learned to your own apps

Deep dive into the latest edition of the Swift programming language, 5th Edition

Advanced IOS App Architecture (Third Edition)

Fundamentals of Computer Programming with C#

An In-Depth Guide for Programmers

Programming IOS 12

Programming IOS 6

Solutions and Examples for iOS Apps

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If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore files, networking, and threads Stay up-to-date on iOS 13 innovations, such as: Symbol images Light and dark mode Sheet presentation Diffable data sources and compositional layout Context menus and previews Window scene delegates and multiple windows on iPad Want to brush up on the basics? Pick up iOS 13 Programming Fundamentals with Swift to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 13, you'll gain a solid, rigorous, and practical understanding of iOS 13 development. Summary iOS Development with Swift is a hands-on guide to creating apps for iPhone and iPad using the Swift language. Inside, you'll be guided through every step of the process for building an app, from first idea to App Store. This book fully covers Swift 4, Xcode 9, and iOS 1. Our video course, iOS Development with Swift in Motion, is the perfect companion to this book, featuring even more projects and examples for you to

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dig into in the exciting world of iOS development. Find out more at our website: www.manning.com/livevideo/ios-developmen?t-with-swift-lv Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology One billion iPhone users are waiting for the next amazing app. It's time for you to build it! Apple's Swift language makes iOS development easier than ever, offering modern language features, seamless integration with all iOS libraries, and the top-notch Xcode development environment. And with this book, you'll get started fast. About the Book iOS Development with Swift is a hands-on guide to creating iOS apps. It takes you through the experience of building an app—from idea to App Store. After setting up your dev environment, you'll learn the basics by experimenting in Swift playgrounds. Then you'll build a simple app layout, adding features like animations and UI widgets. Along the way, you'll retrieve, format, and display data; interact with the camera and other device features; and touch on cloud and networking basics. What's Inside Create adaptive layouts Store and manage data Learn to write and debug Swift code Publish to the App Store Covers Swift 4, Xcode 9, and iOS 11 About the Reader Written for intermediate web or mobile developers. No prior experience with Swift assumed. About the Author Craig Grummitt is a successful developer, instructor, and mentor. His iOS apps have had over 100,000 downloads combined! Table of Contents PART 1 - INTRODUCING XCODE AND SWIFT Your first iOS application Introduction to Swift playgrounds Swift objects PART 2 - BUILDING YOUR INTERFACE View

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controllers, views, and outlets User interaction Adaptive layout More adaptive layout Keyboard notifications, animation, and scrolling PART 3 - BUILDING YOUR APP Tables and navigation Collections, searching, sorting, and tab bars Local data persistence Data persistence in iCloud Graphics and media Networking Debugging and testing PART 4 - FINALIZING YOUR APP Distributing your app What's next? iOS 11, Swift 4, and Xcode 9 provide many new APIs for iOS developers. With this cookbook, you'll learn more than 170 proven solutions for tackling the latest features in iOS 11 and watchOS 4, including new ways to use Swift and Xcode to make your day-to-day app development life easier. This collection of code-rich recipes also gets you up to speed on continuous delivery and continuous integration systems. Ideal for intermediate and advanced iOS developers looking to work with the newest version of iOS, these recipes include reusable code on GitHub, so you can put them to work in your project right away. Among the topics covered in this book: New features in Swift 4 and Xcode 9 Tools for continuous delivery and continuous integration Snapshot testing and test automation Creating document-based applications Updated Map view and Core Location features iOS 11's Security and Password Autofill Data storage with Apple's Core Data Creating lively user interfaces with UI Dynamics Building iMessage applications and sticker packages Integrating Siri into your apps with Siri Kit Creating fascinating apps for Apple Watch