



5TH EDITION

# iOS Programming

## THE BIG NERD RANCH GUIDE

Christian Keur and Aaron Hillegass

# Ios Programming Big Nerd Ranch Guide

**Noah M. Potts**

## Ios Programming Big Nerd Ranch Guide:

*Ios Programming* Christian Keur,Aaron Hillegass,2016

**iOS Programming** Joe Conway,Aaron Hillegass,2012-03-16

Winner of a 2012 Jolt Productivity Award Updated and expanded to cover iOS 5 and Xcode 4 3 iOS Programming The Big Nerd Ranch Guide leads you through the essential concepts tools and techniques for developing iOS applications After completing this book you will have the understanding the know how and the confidence you need to tackle iOS projects of your own Based on Big Nerd Ranch s popular iOS Bootcamp course and its well tested materials and methodology this best selling guide teaches iOS concepts and coding in tandem The result is instruction that is relevant and useful Throughout the book the authors clearly explain what s important to know and share their insights into the larger context of the iOS platform This gives you a real understanding of how iOS development works the many features that are available and when and where to apply what you ve learned Here are some of the topics covered Xcode 4 3 Instruments and Storyboards ARC strong and weak references and retain cycles Interfacing with iCloud Handling touch events and gestures Tool bars navigation controllers and split view controllers Localization and Internationalization Block syntax and use Background execution and multi tasking Saving loading data Archiving and Core Data Core Location and Map Kit Communicating with web services Working with XML JSON and NSRegularExpression Using the Model View Controller Store design pattern

**Ios**

**Programming** Christian Keur,Aaron Hillegass,2017-07-16 iOS is for developers looking to step into the sometimes frightening world of iPhone and iPad app development Written as the companion to Objective C this e book guides you from creating a simple single page application to managing assets in a complex multi scene application Advanced features such as localizing application UI and working with the Audio Toolbox and AVAudioPlayer frameworks are also covered If you re looking for the fastest way to get up and running with iOS development forget about the 1 500 pages of documentation in the iOS Developer Library This is the only resource you need This updated and expanded second edition of Book provides a user friendly introduction to the subject Taking a clear structural framework it guides the reader through the subject s core elements A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts This succinct and enlightening overview is a required reading for all those interested in the subject We hope you find this book useful in shaping your future career Business

**iPhone**

**Programming** Aaron Hillegass,Joe Conway,2010-04-13 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     **IOS Programming** Noah M. Potts, 2015-08-06

Thought provoking and accessible in approach this updated and expanded second edition of the iOS Programming The Big Nerd Ranch Guide provides a user friendly introduction to the subject. Taking a clear structural framework it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for advanced graduate level students. We hope you find this book useful in shaping your future career. Feel free to send us your enquiries related to our publications to info@risepress.pw. Rise Press     **IOS Programming** Aaron Hillegass, Christian Keur, 2020

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Want to write iOS apps or desktop Mac applications? This introduction to programming and the Objective C language covers C, Objective C and the common programming idioms that enable developers to make the most of Apple technologies. The programming is compatible with Xcode 5, iOS 7 and OS X Mavericks.

10.9     **Swift Programming** Matthew Mathias, John Gallagher, 2016-11-23

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.     **IOS Programming** Joe Conway, Aaron Hillegass, Christian Keur, 2014-02-14

Updated and expanded to cover

iOS 7 and Xcode 5 iOS Programming The Big Nerd Ranch Guide leads you through the essential concepts tools and techniques for developing iOS applications After completing this book you will have the know how and the confidence you need to tackle iOS projects of your own Based on Big Nerd Ranch s popular iOS Bootcamp course and its well tested materials and methodology this bestselling guide teaches iOS concepts and coding in tandem The result is instruction that is relevant and useful Throughout the book the authors explain what s important and share their insights into the larger context of the iOS platform You get a real understanding of how iOS development works the many features that are available and when and where to apply what you ve learned Here are some of the topics covered Xcode 5 Instruments and Storyboards Building interfaces using the iOS 7 aesthetic ARC and strong and weak references Handling touch events and gestures Toolbars navigation controllers and split view controllers Using Auto Layout to scale user interfaces Using Dynamic Type to scale fonts Localization and Internationalization Block syntax and use Saving loading data Archiving and Core Data Core Location and Map Kit Communicating with web services using JSON Using the Model View Controller Store design pattern

**The Core iOS Developer's Cookbook** Erica Sadun,Rich Wardwell,2014 This title brings together reliable proven solutions for the heart of day to day iOS 7 development World renowned iOS programming expert Erica Sadun covers all the classes you ll need to create successful iOS 7 mobile apps with standard APIs and interface elements and take full advantage of iOS 7 graphics touches and views

**Cocoa Programming for OS X** Aaron Hillegass,Adam Preble,Nate Chandler,2015-04-16 Covering the bulk of what you need to know to develop full featured applications for OS X this edition is updated for OS X Yosemite 10 10 Xcode 6 and Swift Written in an engaging tutorial style and class tested for clarity and accuracy it is an invaluable resource for any Mac programmer The authors introduce the two most commonly used Mac developer tools Xcode and Instruments They also cover the Swift language basic application architecture and the major design patterns of Cocoa Examples are illustrated with exemplary code written in the idioms of the Cocoa community to show you how Mac programs should be written After reading this book you will know enough to understand and utilize Apple s online documentation for your own unique needs And you will know enough to write your own stylish code This edition was written for Xcode 6 3 and Swift 1 2 At WWDC 2015 Apple announced Xcode 7 and Swift 2 both of which introduce significant updates that along with some changes to Cocoa for OS X 10 11 affect some of the exercises in this book We have prepared a companion guide listing the changes needed to use Xcode 7 to work through the exercises in the book it is available at [https://github.com/bignerdranch/cocoa\\_programming\\_for\\_osx](https://github.com/bignerdranch/cocoa_programming_for_osx) 5e blob master Swift2 md

**Swift Programming** Mikey Ward,2020 Through this guide s carefully constructed explanations and examples you will develop an understanding of Swift grammar and the elements of effective Swift style all thoroughly revised for Swift 5 3 and Xcode 12 Based on Big Nerd Ranchs popular Swift training and its well tested materials and methodology this guide teaches concepts and coding through hands on exercises You will explore Swift features in Xcode playgrounds and you will end by building sample apps for the command

line and for macOS and iOS After working through the book you will have the skills to confidently dive into learning app development for Apple platforms like iOS and macOS     **iPhone Programming** Joe Conway,1900 This is the eBook version of the printed book If the print book includes a CD ROM this content is not included within the eBook version Written by the trainers at the Big Nerd Ranch the worldwide leader in professional training for Mac developers this book provides a hands on guide to learning how to program for the iPhone and iPod touch Coverage includes An overview of Objective C the core language you ll use to program for the iPhoneAn overview of the Xcode ToolsHow to work with the iPhone SDK s UIKit framework and Cocoa TouchBuild apps that use MapKit and CoreLocation as well as th     **Android Programming** Bill Phillips,Chris Stewart,2015-08-01 Android Programming The Big Nerd Ranch Guide is an introductory Android book for programmers with Java experience Based on Big Nerd Ranch s popular Android Bootcamp course this guide will lead you through the wilderness using hands on example apps combined with clear explanations of key concepts and APIs This book focuses on practical techniques for developing apps compatible with Android 4 1 Jelly Bean and up including coverage of Lollipop and material design Write and run code every step of the way creating apps that integrate with other Android apps download and display pictures from the web play sounds and more Each chapter and app has been designed and tested to provide the knowledge and experience you need to get started in Android development Big Nerd Ranch specializes in developing and designing innovative applications for clients around the world Our experts teach others through our books bootcamps and onsite training Whether it s Android iOS Ruby and Ruby on Rails Cocoa Mac OS X JavaScript HTML5 or UX UI we ve got you covered The Android team is constantly improving and updating Android Studio and other tools As a result some of the instructions we provide in the book are no longer correct You can find an addendum addressing breaking changes at <https://github.com/bignerdranch/AndroidCourseResources/raw/master/2ndEdition/Errata/2eAddendum.pdf>

**Kotlin Programming** David Greenhalgh,Josh Skeen,Andrew Bailey,2021-10-05 Kotlin is a statically typed programming language designed to interoperate with Java and fully supported by Google on the Android operating system It is also a multiplatform language that can be used to write code that can be shared across platforms including macOS iOS Windows and JavaScript Based on Big Nerd Ranch s popular Kotlin Essentials course this guide shows you how to work effectively with Kotlin through hands on examples and clear explanations of key Kotlin concepts and foundational APIs Written for Kotlin 1 5 this book will also introduce you to JetBrains IntelliJ IDEA development environment Whether you are an experienced developer or are learning your first programming language and whether you are interested in Kotlin for Android server side or multiplatform projects the authors will guide you from first principles to advanced Kotlin usage By the end of this book you will be empowered to create reliable concise applications in Kotlin     **Learning iPad Programming** Kirby Turner,Tom Harrington,2013-05-13 Not many books have a single project that lives and evolves through the entire narrative The reason not many books do this is because it is difficult to do well Important toolkit features get shoehorned in weird places because

the author didn't do enough up front design time This book though takes you from design to a prototype to the Real Deal And then it goes further Mark Dalrymple cofounder of CocoaHeads the international Mac and iPhone programmer community author of Advanced Mac OS X Programming The Big Nerd Ranch Guide Learning iPad Programming Second Edition will help you master all facets of iPad programming with Apple's newest tools Its in depth hands on coverage fully addresses the entire development process from installing the iOS SDK through coding debugging submitting apps for Apple's review and deployment Extensively updated for Apple's newest iOS features and Xcode 4.x updates this book teaches iPad programming through a series of exercises centered on building PhotoWheel a powerful personal photo library app As you build PhotoWheel you'll gain experience and real world insights that will help you succeed with any iPad development project Leading iOS developers Kirby Turner and Tom Harrington introduce the essentials of iOS development focusing on features that are specific to iPad You'll find expert coverage of key topics many iOS development books ignore from app design to Core Data You'll also learn to make the most of crucial iOS and Xcode features such as Storyboarding and Automatic Reference Counting ARC and extend your app with web services and the latest iCloud synching techniques Learn how to Build a fully functional app that uses Core Data and iCloud synching Use Storyboarding to quickly prototype a functional UI and then extend it with code Create powerful visual effects with Core Animation and Core Image Support AirPrint printing and AirPlay slideshows Build collection views and custom views and use custom segues to perform custom view transitions Download the free version of PhotoWheel from the App Store today Import manage and share your photos as you learn how to build this powerful app

**Learning iOS Development** Maurice Sharp, Rod Strougo, Erica Sadun, 2014 This book offers the perfect hands on introduction to iOS development covering everything your students need to know about Objective C XCode and modern iOS user interface development With sample projects and end of chapter exercises this book is ideal for classroom instruction The authors get started fast with Objective C covering basic syntax memory management Foundation Classes development paradigms blocks threads and more Next they show how to use XCode and related tools to build projects instrument and efficiently debug code and deploy apps In the next part they turn to interfaces covering design content construction View Controllers Views Animations Touch Table Views and even a taste of Core Data

iOS 12 Programming for Beginners Craig Clayton, 2018-12-24 Begin your iOS 12 app development journey with this practical guide Key Features Kick start your iOS programming career and have fun building iOS apps of your choice Get to grips with Xcode 10 and Swift 4.2 the building blocks of iOS development Discover the latest features of iOS 12 SiriKit notifications and much more Book Description Want to build iOS 12 applications from scratch with the latest Swift 4.2 language and Xcode 10 by your side Forget sifting through tutorials and blog posts this book is a direct route to iOS development taking you through the basics and showing you how to put principles into practice Take advantage of this developer friendly guide and start building applications that may just take the App Store by storm If you're already an experienced programmer you can jump

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*iOS Programming: Starter Guide: What Every Programmer Needs to Know About iOS*

Programming Jason Scotts, 2013-11-25 What Every Programmers Need To Know About iOS Programming Exposed iOS Programming Starter Guide What Every Programmer Needs to Know About iOS Programming is a precise and concise book for any programmer to get a quick grasp of the intricacies of iOS and how to master it quickly The book covers Chapter 1 What is iOS SDK Chapter 2 How Do You Get Started With iOS C Programming Chapter 3 What is XCode Chapter 4 How to Design Interfaces in iOS Chapter 5 How to Develop Animations and Views in iOS Chapter 6 iOS Programming How to Create Images Touches and Gestures Chapter 7 How to Build Text in iOS Programming So if you are interested in mastering iOS programming quickly and easily this book is for you Get it now Other books by Jason Scotts 1 Python Programming Reloaded How To Code Python Fast In Just 24 Hours With 7 Simple Steps 2 Windows 8 User Guide Reloaded The Complete Beginners Guide 50 Bonus Tips To Be A Power User Now 3 Raspberry Pi The Ultimate Step by Step Raspberry Pi User Guide The Updated Version

**More Cocoa Programming for Mac OS X** Aaron Hillegass, Juan Pablo Claude, 2013-02-04 There s a fast growing audience of Mac OS X developers who are getting comfortable with Apple s Cocoa framework and now want to take their skills to the next level Many of them began with Aaron Hillegass s classic book Cocoa Programming for Mac OS X Now in More Cocoa Programming The Big Nerd Ranch Guide Hillegass and colleague Juan Pablo Claude show experienced Cocoa developers how to build Cocoa applications that work better and do more than ever before Starting from a basic sample application you will walk through adding powerful new functionality one step at a time As you do you ll master valuable Cocoa tips and tricks that can t be found in any other book The authors detailed example rich coverage includes Uncovering the secrets of Cocoa s text system and making the most of it Incorporating support for Spotlight Quick Look

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