

5TH EDITION

# iOS Programming

## THE BIG NERD RANCH GUIDE

**Christian Keur and Aaron Hillegass**

# Ios Programming Big Nerd Ranch Guide

**Aaron Hillegass,Adam Preble,Nate  
Chandler**



## **IOS Programming Big Nerd Ranch Guide:**

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**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**

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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, 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

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*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.com](mailto:info@risepress.com) Rise Press

**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

*Objective-C Programming* Aaron Hillegass, Mikey Ward, 2013 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

**iOS Programming** Joe Conway, Aaron Hillegass, 2011-06-22 In this book the world's leading Apple platform development trainers offer a complete practical hands on introduction to iPhone and iPad programming The authors walk through all the Apple tools and technologies needed to build successful iPhone iPad iPod touch apps including the iOS 4.3 SDK the Objective C language Xcode 4 Foundation framework and the classes that make up the iOS UI framework The many topics covered in this book include Easily setting up elegant efficient user interfaces with UIKit Creating effective visuals animation and effects with Core Graphics and Core Animation Making the most of the iOS multi touch event handling and accelerometer data Building location aware iOS applications utilizing Core Location and MapKit Localizing applications for international use Creating applications that capture audio and play media Storing data in files or with Core Data New chapters added to this edition include iPad friendly interfaces including UIPopoverController and UISplitViewController Blocks and Categories Instruments and Xcode's static analyzer UIWebView and connecting with web servers Push Notifications iOS Programming also includes a handy Xcode Quick Reference Card that lists Xcode 4's most commonly used keyboard shortcuts

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Classic Computer Science Problems in Swift David Kopec, 2018-03-24 Summary Classic Computer Science Problems in Swift invites readers to invest their energy in some foundational techniques that have been proven to stand the test of time Along the way they'll learn intermediate and advanced features of the Swift programming language a worthwhile skill in its own right Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Don't just learn another language Become a better programmer instead Today's awesome iOS apps stand on the shoulders of classic algorithms coding techniques and engineering principles Master these core skills in Swift and you'll be ready for AI data-centric programming machine learning and the other development challenges that will define the next decade About the Book Classic Computer Science Problems in Swift deepens your Swift language skills by exploring foundational coding techniques and algorithms As you work through examples in search clustering graphs and more you'll remember important things you've forgotten and discover classic solutions to your new problems You'll appreciate author David Kopec's amazing ability to connect the core disciplines of computer science to the real-world concerns of apps data performance and even nailing your next job interview What's Inside Breadth-first depth-first and A search algorithms Constraint satisfaction problems Solving problems with graph algorithms Neural networks genetic algorithms and more All examples written in Swift 4.1 About the Reader For readers comfortable with the basics of Swift About the Author David Kopec is an assistant professor of computer science and innovation at Champlain College in Burlington Vermont He is an experienced iOS developer and the author of Dart for Absolute Beginners Table of Contents Small problems Search problems Constraint satisfaction problems Graph problems Genetic algorithms K-means clustering Fairly simple neural networks Miscellaneous problems

**Xcode 4 Unleashed** Fritz F. Anderson, 2012-05-07 In Xcode 4 Unleashed renowned Mac/iOS developer Fritz Anderson shows how to use Apple's powerful new Xcode 4 integrated development environment to develop outstanding software with the least effort possible Anderson demonstrates Xcode 4 by walking through the construction of three full applications a command-line tool an iOS app and a Mac OS X application These case study projects offer practical insights and realistic best practices for efficiently utilizing Xcode 4 in day-to-day development Next he drills down to offer an even deeper understanding of Xcode 4's most powerful capabilities Through practical examples he shows experienced Apple developers how to move to Xcode 4's browser model from older document-based approaches You'll also find thorough up-to-the-minute coverage of key tasks ranging from builds and profiling to documentation He concludes with a chapter-length roundup of tips traps and features for maximizing your productivity with Xcode 4 whether you're writing iOS apps or Mac applications working solo or as part of a large development team Detailed information on how to Get started fast with Xcode 4 project workflow Master Xcode 4's new features and development paradigms Construct modern iOS and Mac user interfaces with Interface Builder Implement Model-View-Controller designs in iOS apps Use Storyboard to specify an iOS app

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Asher Powell, 2017-07-15 This comprehensive career guide helps readers take a close look at coding as a career path and gives them a long actionable list for turning their interests into a career across a variety of fields Whether a student is interested in games engineering design or systems administration each career path comes with a detailed list of resources and first person accounts from professionals in the field This guide is all a coding enthusiast needs to get started planning and building a career all without having to worry about student loans

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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://informit.com/register>

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 Ranch's 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 iPhone An overview of the Xcode Tools How to work with the iPhone SDK's UIKit framework and Cocoa Touch Build apps that use MapKit and CoreLocation as well as th      **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      *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

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