

# Get Free ios Animations By Tutorials Fourth Edition ios 11 And Swift 4 Edition

## ios Animations By Tutorials Fourth Edition ios 11 And Swift 4 Edition | 4226010c14a5a82a0d138fe8c36922c3

Xcode 4  
HTML5 Canvas  
Sams Teach Yourself HTML, CSS, and JavaScript All in One  
Practical Malware Analysis  
SwiftUI Cookbook  
SwiftUI by Tutorials (Third Edition)  
Advanced IOS App Architecture (Third Edition)  
Metal by Tutorials (Second Edition): Beginning Game Engine Development with Metal  
Common Goal  
IOS 11 by Tutorials  
SwiftUI Essentials - ios 14 Edition  
IOS Apprentice (Eighth Edition): Beginning IOS Development with Swift and UIKit  
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Second Edition  
iPhone ios4 Development Essentials - Xcode 4 Edition  
Advanced Git (First Edition)  
Game Coding Complete  
Programming IOS 11  
Core Data by Tutorials (Eighth Edition)  
Design Patterns by Tutorials (Third Edition): Learning Design Patterns in Swift  
Data Structures & Algorithms in Swift (Fourth Edition)  
3D Animation Essentials  
Beginning SwiftUI  
Apple Augmented Reality by Tutorials (First Edition)  
Flash CS6: The Missing Manual  
Game and Graphics Programming for IOS and Android with OpenGL ES 2.0  
Android Test-Driven Development by Tutorials (Second Edition)  
RxSwift (Fourth Edition)  
Effective Objective-C 2.0  
Mastering ios 14 Programming  
Adobe Animate Classroom in a Book (2021 Release)  
Modern Recording Techniques  
SwiftUI by Tutorials (Fourth Edition)  
Machine Learning by Tutorials (Second Edition)  
Real-Time Rendering  
IOS Animations by Tutorials Fourth Edition  
Stargazing  
Final Cut Pro X Beyond the Basics  
iPhone Programming  
Create 2D Mobile Games with Corona SDK  
3D Apple Games by Tutorials Second Edition

### Xcode 4

As the most popular and authoritative guide to recording Modern Recording Techniques provides everything you need to master the tools and day to day practice of music recording and production. From room acoustics and running a session to mic placement and designing a studio Modern Recording Techniques will give you a really good grounding in the theory and industry practice. Expanded to include the latest digital audio technology the 7th edition now includes sections on podcasting, new surround sound formats and HD and audio. If you are just starting out or looking for a step up in industry, Modern Recording Techniques provides an in depth excellent read- the must have book

### HTML5 Canvas

Get Advanced With Git! If you're involved with software development, chances are you've heard of and used Git at some point. Version control systems are critical for any successful collaborative software project. Git is simple to start using, while accommodating the most complex tasks with version control. However, even seasoned Git users hit roadblocks on how to handle everyday situations. Advanced Git is here to help! This book begins where the other Git book in our catalog, "Git Apprentice", ends. Who This Book Is For This book is for anyone who wants to leverage version control's power with Git in their software development process. It starts with a look under Git's hood, then moves on to more complicated scenarios including merge conflicts, rebasing and more. Finally, you'll learn common workflows using Git. Topics Covered in Advanced Git How Git actually works: After using Git for a while, it's good to discover the whys behind all the things. Rebasing: A more advanced way of merging code and collaborating. Merge Conflicts & Undo: You'll eventually run into problems while using Git. Find out how to handle them with ease. Workflows in Git: Working with Git requires some rules to ensure things go smoothly across development teams. Learn the most common workflows and how to decide which to use for your project. One thing you can count on: After reading this book, you'll be well-prepared to use Git in your software development workflow!

### Sams Teach Yourself HTML, CSS, and JavaScript All in One

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 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.

### Practical Malware Analysis

In this book, we take you on a fun, hands-on and pragmatic journey to learning ios 14 development using SwiftUI. You'll start building your first SwiftUI app within minutes. Every section is written in a bite-sized manner and straight to the point as I don't want to waste your time (and most certainly mine) on the content you don't need. In the end, you will have the skills to create an app and submit it to the app store. In the course of this book, we will cover: Chapter 1: Introduction

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Chapter 2: Body Mass Index Calculator Chapter 3: To-Do List App Using List Chapter 4: Persistent Data Using Core Data Chapter 5: Extending Core Data to CloudKit Chapter 6: Getting Data from an API: GitHub Users Chapter 7: Machine Learning with Core ML Chapter 8: C.R.U.D. Notes App with Firebase/Firestore Chapter 9: Building Cross Platform Apps in SwiftUI The goal of this book is to teach you SwiftUI development in a manageable way without overwhelming you. We focus only on the essentials and cover the material in a hands-on practice manner for you to code along. About the Reader No previous knowledge on iOS development required, but you should have basic programming knowledge. About the Author Greg Lim is a technologist and author of several programming books. Greg has many years in teaching programming in tertiary institutions and he places special emphasis on learning by doing. Follow him at [www.greglim.net](http://www.greglim.net)

## SwiftUI Cookbook

You can build everything from simple animations to full-fledged iPhone, iPad, and Android apps with Flash CS6, but learning this complex program can be difficult—unless you have this fully updated, bestselling guide. Learn how to create gorgeous Flash effects even if you have no programming experience. With Flash CS6: The Missing Manual, you'll move from the basics to power-user tools with ease. The important stuff you need to know: Learn animation basics. Turn simple ideas into stunning animations—in the very first chapter. Master Flash's tools. Learn the animation and effects tools with clear explanations and hands-on examples. Use 3D effects. Rotate objects and make them move in three dimensions. Create lifelike motion. Use the IK Bones tool to simulate realistic body movements and other linked motions. Build apps that work anywhere. Create apps just for iOS or Android devices—or one app that works on mobile devices and desktops. Add multimedia. Incorporate your own audio and video files into Flash. Create rich interactive animations. Dive into advanced interactivity with easy-to-learn ActionScript examples.

## SwiftUI by Tutorials (Third Edition)

Updated for Xcode 7.3 and Swift 2.3 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. Up to date with iOS 9, Xcode 7.3, and Swift 2.3. Who This Book Is For: This book is for intermediate to advanced developers, who already know 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, and third-party animation libraries! The iOS Tutorial Team takes pride in making sure each tutorial we write holds to the highest standards of quality. We want our tutorials to be well written, easy to follow, and fun. And we don't want to just skim the surface of a subject - we want to really dig into it, so you can truly understand how it works and apply the knowledge directly in your own apps.

## Advanced IOS App Architecture (Third Edition)

"Learn how to make 3D games in Swift, using Apple's built-in 3D game framework: SceneKit. Through a series of mini-games and challenges, you will go from beginner to advanced and learn everything you need to make your own 3D game! By the time you're finished reading this book, you will have made 4 complete mini-games, including games similar to Fruit Ninja, Marble Madness, and Crossover Road!"--Back cover,

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

SwiftUI is an innovative new framework to build UI for all Apple platforms using Swift. This recipe-based guide covers the new features of SwiftUI 2 introduced on iOS14 and helps you migrate from UIKit with a simple learning curve through practical solutions. Learn how SwiftUI combines with Apple dev tools to build truly cross-platform Apple apps.

## Common Goal

Mastering iOS 14 Programming is the fourth book in the Mastering iOS series, which started back in 2016 with iOS 10. In this latest edition, you'll learn how to build robust iOS apps by harnessing advanced techniques and making the best use of iOS 14's features.

## IOS 11 by Tutorials

Corona SDK is one of the most powerful tools used to create games and apps for mobile devices. The market requires speed; new developers need to operate quickly and efficiently. Create 2D Mobile Games with Corona SDK gives you the

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tools needed to master Corona - even within the framework of professional constraints. A must-read guide, this book gives you fast, accurate tips to learn the programming language necessary to create games. Read it sequentially or as an FAQ and you will have the tools you need to create any base game before moving on to advanced topics. The tutorial-based format: Contains step-by-step directions complete with coding and screenshots Is filled with tutorials, tips, and links to useful online resources Includes a comprehensive companion website featuring online exercise files to practice coding, full build samples from the text, additional book details, and more!

## SwiftUI Essentials - iOS 14 Edition

Learn Machine Learning! Machine learning is one of those topics that can be daunting at first blush. It's not clear where to start, what path someone should take and what APIs to learn in order to get started teaching machines how to learn. This is where Machine Learning by Tutorials comes in! In this book, we'll hold your hand through a number of tutorials, to get you started in the world of machine learning. We'll cover a wide range of popular topics in the field of machine learning, while developing apps that work on iOS devices. Who This Book Is For This book is for the intermediate iOS developer who already knows the basics of iOS and Swift development, but wants to understand how machine learning works. Topics covered in Machine Learning by Tutorials Core ML: Learn how to add a machine learning model to your iOS apps, and how to use iOS APIs to access it. Create ML: Learn how to create your own model using Apple's Create ML Tool. Turi Create and Keras: Learn how to tune parameters to improve your machine learning model using more advanced tools. Image Classification: Learn how to apply machine learning models to predict objects in an image. Convolutional Networks: Learn advanced machine learning techniques for predicting objects in an image with Convolutional Neural Networks (CNNs). Sequence Classification: Learn how you can use recurrent neural networks (RNNs) to classify motion from an iPhone's motion sensor. Text-to-text Transform: Learn how to use machine learning to convert bodies of text between two languages. By the end of this book, you'll have a firm understanding of what machine learning is, what it can and cannot do, and how you can use machine learning in your next app!

## IOS Apprentice (Eighth Edition): Beginning IOS Development with Swift and UIKit

"This book is for intermediate to advanced developers, who already know the basics of iOS and Swift development and want to dive deep into animations"--Back cover.

## IOS Animations by Tutorials Second Edition

Takes programmers through the complete process of developing a professional quality game, covering a range of topics such as the key "gotcha" issues that could trip up even a veteran programmer, game interface design, game audio, and game engine technology

## iPhone iOS4 Development Essentials - Xcode 4 Edition

Going beyond where introductory books leave off and written for experienced editors, especially those new to Final Cut Pro X, this new and revised edition of Final Cut Pro X Beyond the Basics is brimming with cutting-edge methods to bring your editing skills to the next level. Explained in jargon-free language by a seasoned teacher and digital editor, Tom Wolsky 's text has been fully updated to address the new Final Cut Pro X 10.3 interface and changes to the software. This full-color workshop features tutorials that provide firsthand experience on the art and technique of editing at an advanced level with Final Cut Pro X, as well as in-depth information and time-saving tips that will allow you to master the application's interface elements, tools, and nuances. Wolsky covers all the bases, including: Library workflows and collaboration; Media organization and metadata customization for different genres; Editing techniques for projects of various lengths and types; Using markers and the timeline index; Audio tools; Multicam editing; Audio and video effects; Color correction, including secondary corrections and isolated color adjustments; Compositing and complex animation. An accompanying eResource features downloadable Final Cut Pro X project libraries for the tutorials discussed in the book, offering readers hands-on examples of the techniques and practices covered.

## Advanced Git (First Edition)

Learn iPhone and iPad Programming via Tutorials! If you're new to iOS or 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 four engaging, epic-length tutorials. These hands-on tutorials describe in full detail how to build a new app from scratch. Five tutorials, five 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.

## Game Coding Complete

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## Programming IOS 11

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.

## Core Data by Tutorials (Eighth Edition)

The essential fundamentals of 3D animation for aspiring 3D artists 3D is everywhere--video games, movie and television special effects, mobile devices, etc. Many aspiring artists and animators have grown up with 3D and computers, and naturally gravitate to this field as their area of interest. Bringing a blend of studio and classroom experience to offer you thorough coverage of the 3D animation industry, this must-have book shows you what it takes to create compelling and realistic 3D imagery. Serves as the first step to understanding the language of 3D and computer graphics (CG) Covers 3D animation basics: pre-production, modeling, animation, rendering, and post-production Dissects core 3D concepts including design, film, video, and games Examines what artistic and technical skills are needed to succeed in the industry Offers helpful real-world scenarios and informative interviews with key educators and studio and industry professionals Whether you're considering a career in as a 3D artist or simply wish to expand your understanding of general CG principles, this book will give you a great overview and knowledge of core 3D Animation concepts and the industry.

## Design Patterns by Tutorials (Third Edition): Learning Design Patterns in Swift

Malware analysis is big business, and attacks can cost a company dearly. When malware breaches your defenses, you need to act quickly to cure current infections and prevent future ones from occurring. For those who want to stay ahead of the latest malware, Practical Malware Analysis will teach you the tools and techniques used by professional analysts. With this book as your guide, you'll be able to safely analyze, debug, and disassemble any malicious software that comes your way. You'll learn how to: -Set up a safe virtual environment to analyze malware -Quickly extract network signatures and host-based indicators -Use key analysis tools like IDA Pro, OllyDbg, and WinDbg -Overcome malware tricks like obfuscation, anti-disassembly, anti-debugging, and anti-virtual machine techniques -Use your newfound knowledge of Windows internals for malware analysis -Develop a methodology for unpacking malware and get practical experience with five of the most popular packers -Analyze special cases of malware with shellcode, C++, and 64-bit code Hands-on labs throughout the book challenge you to practice and synthesize your skills as you dissect real malware samples, and pages of detailed dissections offer an over-the-shoulder look at how the pros do it. You'll learn how to crack open malware to see how it really works, determine what damage it has done, thoroughly clean your network, and ensure that the malware never comes back. Malware analysis is a cat-and-mouse game with rules that are constantly changing, so make sure you have the fundamentals. Whether you're tasked with securing one network or a thousand networks, or you're making a living as a malware analyst, you'll find what you need to succeed in Practical Malware Analysis.

## Data Structures & Algorithms in Swift (Fourth Edition)

Presents a guide to creating computer games using OpenGL ES 2.0, covering such topics as loading geometrics and textures, pathfinding, post-processing effects, lighting, and working with animation.

## 3D Animation Essentials

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

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and Xcode 12 and have an Apple Mac system you are ready to get started.

## Beginning SwiftUI

Stargazing is a heartwarming middle-grade graphic novel in the spirit of *Real Friends* and *El Deafo*, from New York Times bestselling author-illustrator Jen Wang. Moon is everything Christine isn't. She's confident, impulsive, artistic... and though they both grew up in the same Chinese-American suburb, Moon is somehow unlike anyone Christine has ever known. But after Moon moves in next door, these unlikely friends are soon best friends, sharing their favorite music videos and painting their toenails when Christine's strict parents aren't around. Moon even tells Christine her deepest secret: that she has visions, sometimes, of celestial beings who speak to her from the stars. Who reassure her that earth isn't where she really belongs. Moon's visions have an all-too-earthly root, however, and soon Christine's best friend is in the hospital, fighting for her life. Can Christine be the friend Moon needs, now, when the sky is falling? Jen Wang draws on her childhood to paint a deeply personal yet wholly relatable friendship story that's at turns joyful, heart-wrenching, and full of hope.

## Apple Augmented Reality by Tutorials (First Edition)

Learn iOS Design Patterns! Design patterns are reusable solutions to common development problems. They aren't project specific, so you can adapt and use them in countless apps. By learning design patterns, you'll become a better developer, save time and work less. Design Patterns by Tutorials is here to help! This book is the easiest and fastest way to get hands-on experience with the iOS design patterns you need to know. Who This Book Is For Whether you're a beginner, intermediate or advanced iOS developer, this book is for you. You can either read this book from cover to cover, or skip around to just the patterns you want to learn. Topics Covered in Design Patterns by Tutorials Getting Started: You'll first learn about how design patterns work and how they can help you build better, cleaner apps. Fundamental Patterns: You'll progress onto fundamental design patterns, such as MVC, Delegation, and Strategy, which you're likely to use on every iOS app. Intermediate Patterns: You'll then learn about intermediate design patterns, such as MVVM, Factory, and Adapter, which are less common than fundamental patterns but still very useful for most apps. You'll finish off by learning about advanced design patterns, including Flyweight, Mediator and Command. You likely won't use these on every app, but they may be just what you need to solve a difficult problem. One thing you can count on: after reading this book, you'll be well-prepared to use design patterns in your own apps!

## Flash CS6: The Missing Manual

Learn Android Test-Driven Development! Writing apps is hard. Writing testable apps is even harder, but it doesn't have to be. Reading and understanding all the official Google documentation on testing can be time-consuming - and confusing. This is where Android Test-Driven Development comes to the rescue! In this book, you'll learn about Android Test-Driven Development the quick and easy way: by following fun and easy-to-read tutorials. Who This Book Is For This book is for the intermediate Android developers who already know the basics of Android and Kotlin development but want to learn Android Test-Driven Development. Topics Covered in Android Test-Driven Development - Getting Started with Testing: Learn the core concepts involved in testing including what is a test, why should you test, what should you test and what you should not test. - Test-Driven Development (TDD): Discover the Red-Green-Refactor steps and how to apply them. - The Testing Pyramid: Learn about the different types of tests and how to organize them. - Unit Tests: Learn how to start writing unit tests with TDD using JUnit and Mockito. - Integration Tests: Writing tests with different subsystems is a must in today's complex application world. Learn how to test with different subsystems including the persistence and network layers. - Architecting for Testing: Explore how to architect your app for testing and why it matters. - TDD on Legacy Projects: Take your TDD to the next level by learning how to apply it to existing legacy projects. And much more, including Espresso tests, UI tests, code coverage and refactoring. One thing you can count on: after reading this book, you'll be prepared to take advantage of Android Test-Driven Development in your own apps!

## Game and Graphics Programming for IOS and Android with OpenGL ES 2.0

Learn Reactive Programming in Swift with RxSwift! The popularity of reactive programming continues to grow on an ever-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 book 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 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!

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## Android Test-Driven Development by Tutorials (Second Edition)

Learn & Master SwiftUI! Every developer wants to build the most fluid and engaging declarative UI for their apps with as little code as possible. SwiftUI will help you do just that. Learn all the main concepts through an easy-to-follow tutorials where you'll build apps that teach you to create modern, responsive UI and animations that look great on iOS, iPadOS, watchOS, tvOS, and even macOS. Who This Book Is For? This book is for intermediate iOS developers who already know the basics of iOS, and who wish to know everything there is to know about SwiftUI. Topics Covered in SwiftUI by Tutorials? SwiftUI Overview: Learn SwiftUI features, as well as the differences between Apple's platforms with SwiftUI. Customize your apps for AppKit, UIKit, WatchKit, tvOS, iPadOS and even Catalyst. Testability: See how to apply UI Testing to your SwiftUI apps in this very simple, yet powerful course. Controls & User Input: Learn about controls such as TextField, Button, Toggle, Slider, Stepper, pickers and many more. State & Data Flow: Learn how to bind data to the UI, about reactive updates to the UI through state management, and in-depth usage of the attributes related to SwiftUI. Accessibility: Learn how to navigate your app with VoiceOver on an iOS device and use the SwiftUI Accessibility API attributes to improve your app's accessible UI. Drawing Custom Graphics & Animations: Create drawings, graphics, animations and even view transitions in SwiftUI. macOS: Learn how to create a document-based Mac app and later start with an existing iOS app and learn how to re-use code, views and assets for creating a macOS app. One thing you can count on: After you finish reading this book, you'll be able to take advantage of the latest and greatest features of SwiftUI to bring modern declarative UX to your apps.

## RxSwift (Fourth Edition)

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). 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.

## Effective Objective-C 2.0

Sams Teach Yourself HTML, CSS and JavaScript All in One The all-in-one HTML, CSS and JavaScript beginner's guide: covering the three most important languages for web development. Covers everything beginners need to know about the HTML and CSS standards and today's JavaScript and Ajax libraries - all in one book, for the first time integrated, well-organized coverage expertly shows how to use all these key technologies together. Short, simple lessons teach hands-on skills readers can apply immediately. By best-selling author Julie Meloni. Mastering HTML, CSS, and JavaScript is vital for any beginning web developer - and the importance of these technologies is growing as web development moves away from proprietary alternatives such as Flash. Sams Teach Yourself HTML, CSS, and JavaScript All in One brings together everything beginners need to build powerful web applications with the HTML and CSS standards and the latest JavaScript and Ajax libraries. With this book, beginners can get all the modern web development knowledge you need from one expert source. Bestselling author Julie Meloni (Sams Teach Yourself PHP, MySQL and Apache All in One) teaches simply and clearly, through brief, hands-on lessons focused on knowledge you can apply immediately. Meloni covers all the building blocks of practical web design and development, integrating new techniques and features into every chapter. Each lesson builds on what's come before, showing you exactly how to use HTML, CSS, and JavaScript together to create great web sites.

## Mastering iOS 14 Programming

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 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

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complex problems in your apps elegantly.

## Adobe Animate Classroom in a Book (2021 Release)

Creative professionals seeking the fastest, easiest, most comprehensive way to learn Adobe Animate choose Adobe Animate Classroom in a Book (2020 release) from Adobe Press. The 11 project-based step-by-step lessons in this book show users the key techniques for working in Animate. Adobe Animate provides more expressive tools, powerful controls for animation, and robust support for playback across a wide variety of platforms. Create interactive virtual reality immersive environments with VR 360 and VR Panorama documents. Gain advanced control over character animations with layer parenting and AI-driven lip syncing. Learn to create dynamic strokes with the new fluid brush, and work smarter with the revamped Timeline, Tools palette and Properties inspector. Support for SVG, WebGL, HTML5, animated GIFs, and HD video, and seamless collaboration with other designers and with other Adobe applications through Creative Cloud libraries make Adobe Animate the ideal development environment for creative animation and multimedia. Classroom in a Book is the best-selling series of hands-on software training books designed to help you learn the features of Adobe software quickly and easily. Developed by the training experts at Adobe Systems, these books offer complete, self-paced lessons designed to fit your busy schedule and help you learn the features of Adobe software quickly and easily. The online companion files include all the necessary assets for students to complete the projects featured in each chapter as well as eBook updates when Adobe releases new features for Creative Cloud customers. And all buyers of the book get full access to the Web Edition: a Web-based version of the complete eBook enhanced with video and interactive multiple-choice quizzes.

## Modern Recording Techniques

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

## SwiftUI by Tutorials (Fourth Edition)

" Rachel Reid 's hockey heroes are sexy, hot, and passionate! I 've devoured this entire series and I love the flirting, the exploration and the delicious discovery in Common Goal! " - Lauren Blakely, #1 NYT Bestselling author of A Guy Walks Into My Bar New York Admirals goalie Eric never thought his friends-with-benefits arrangement with much-younger Kyle would leave them both wanting more... Veteran goaltender Eric Bennett has faced down some of the toughest shooters on the ice, but nothing prepared him for his latest challenge—life after hockey. It 's time to make some big changes, starting with finally dating men for the first time. Graduate student Kyle Swift moved to New York nursing a broken heart. He 'd sworn to find someone his own age to crush on (for once). Until he meets a gorgeous, distinguished silver fox hockey player. Despite their intense physical attraction, Kyle has no intention of getting emotionally involved. He 'll teach Eric a few tricks, have some mutually consensual fun, then walk away. Eric is more than happy to learn anything Kyle brings to the table. And Kyle never expected their friends-with-benefits arrangement to leave him wanting more. Happily-ever-after might be staring them in the face, but it won 't happen if they 're too stubborn to come clean about their feelings. Everything they both want is within reach... They just have to be brave enough to grab it. Game Changers Series: Book 1: Game Changer Book 2: Heated Rivalry Book 3: Tough Guy Book 4: Common Goal

## Machine Learning by Tutorials (Second Edition)

Flash is fading fast as Canvas continues to climb. The second edition of this popular book gets you started with HTML5 Canvas by showing you how to build interactive multimedia applications. You 'll learn how to draw, render text, manipulate images, and create animation—all in the course of building an interactive web game throughout the book. Updated for the latest implementations of Canvas and related HTML5 technologies, this edition includes clear and reusable code examples to help you quickly pick up the basics—whether you currently use Flash, Silverlight, or just HTML and JavaScript. Discover why HTML5 is the future of innovative web development. Create and modify 2D drawings, text, and bitmap images Use algorithms for math-based movement and physics interactions Incorporate and manipulate video, and add audio Build a basic framework for creating a variety of games Use bitmaps and tile sheets to develop animated game graphics Go mobile: build web apps and then modify them for iOS devices Explore ways to use Canvas for 3D and multiplayer game applications

## Real-Time Rendering

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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 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

## IOS Animations by Tutorials Fourth Edition

Learn the New iOS 11 APIs! iOS 11 introduces lots of great APIs and other changes, from the brand new Drag and Drop, to augmenting your world with ARKit, to expanding your app's horizons with machine learning in CoreML. Reading and understanding all the official Apple documentation on these changes can be time-consuming -- and confusing. This is where iOS 11 by Tutorials comes to the rescue! In this book, you'll learn the new iOS 11 APIs the quick and easy way: by following fun and easy-to-read tutorials. Who This Book Is For This book is for intermediate iOS developers who already know the basics of iOS and Swift development but want to learn the new APIs introduced in iOS 11. Topics Covered in iOS 11 by Tutorials ARKit: Learn how to use ARKit to place 3D objects in your users' environment. CoreML: Explore using CoreML to analyze text: identifying its language, detecting sentiments, and much more. Then, turn to the Vision framework and learn how to do face detection and object classification. Drag and Drop: Learn how to use the new Drag and Drop API, moving items around within a single app and sharing them with other apps. Swift 4: Discover the enhancements in Swift 4, and its support in Foundation, such as the new Codable protocol, improvements to Dictionaries, and one-sided ranges. Layout and UIKit: Learn all about the new UI paradigms, including large titles, integrated search bars, and layout safe areas. PDFKit: Create PDFs using native Apple support, complete with thumbnails, markup, and forms. MusicKit: Give your users their music right in your app using the new MusicKit framework. And much more, including password autofill, dynamic type, and document based apps. One thing you can count on: after reading this book, you'll be prepared to take advantage of all the improvements iOS 11 has to offer!

## Stargazing

Learn & Master SwiftUI! Every developer wants to build the most fluid and engaging declarative UI for their apps with as little code as possible. SwiftUI will help you do just that. Learn all the main concepts through an easy-to-follow tutorials where you'll build apps that teach you to create modern, responsive UI and animations that look great on iOS, iPadOS, watchOS, tvOS, and even macOS. Who This Book Is For This book is for intermediate iOS developers who already know the basics of iOS, and who wish to know everything there is to know about SwiftUI. Topics Covered in SwiftUI by Tutorials SwiftUI Overview: Learn SwiftUI features, as well as the differences between Apple's platforms with SwiftUI. Customize your apps for AppKit, UIKit, WatchKit, tvOS, iPadOS and even Catalyst. Testability: See how to apply UI Testing to your SwiftUI apps in this very simple, yet powerful course. Controls & User Input: Learn about controls such as TextField, Button, Toggle, Slider, Stepper, pickers and many more. State & Data Flow: Learn how to bind data to the UI, about reactive updates to the UI through state management, and in-depth usage of the attributes related to SwiftUI. Accessibility: Learn how to navigate your app with VoiceOver on an iOS device and use the SwiftUI Accessibility API attributes to improve your app's accessible UI. Drawing Custom Graphics & Animations: Create drawings, graphics, animations and even view transitions in SwiftUI. macOS: Learn how to create a document-based Mac app and later start with an existing iOS app and learn how to re-use code, views and assets for creating a macOS app. One thing you can count on: After you finish reading this book, you'll be able to take advantage of the latest and greatest features of SwiftUI to bring modern declarative UX to your apps.

## Final Cut Pro X Beyond the Basics

Learn Core Data With Swift! Take control of your data in iOS apps using Core Data, through a series of high quality hands-on tutorials. Start with the basics like setting up your own Core Data Stack all the way to advanced topics like migration, performance, multithreading, and more! By the end of this book, you'll have hands-on experience with Core Data and will be ready to use it in your own apps. Who This Book Is For: This book is for intermediate iOS developers who already know the basics of iOS and Swift development but want to learn how to use Core Data to save data in their apps. Topics Covered in Core Data by Tutorials: Your First Core Data App: You'll click File / New Project and write a Core Data app from scratch! NSManagedObject Subclasses: Learn how to create your own subclasses of NSManagedObject - the base data



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storage class in Core Data. The Core Data Stack: Learn how the main objects in Core Data work together, so you can move from the starter Xcode template to your own system. Intermediate Fetching: This chapter covers how to fetch data with Core Data - fetch requests, predicates, sorting and asynchronous fetching. NSFetchedResultsController: Learn how to make Core Data play nicely with table views using NSFetchedResultsController! Versioning and Migration: In this chapter, you'll learn how to migrate your user's data as they upgrade through different versions of your data model. Unit Tests: In this chapter, you'll learn how to set up a test environment for Core Data and see examples of how to test your models. Measuring and Boosting Performance: Learn how to measure your app's performance with various Xcode tools and deal with slow spots in your code. Multiple Managed Object Contexts: Learn how multiple managed object contexts can improve performance and make for cleaner code. Core Data and CloudKit: Learn how to synchronize Core Data across all of a user's devices.

## iPhone Programming

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

## Create 2D Mobile Games with Corona SDK

Thoroughly revised, this third edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. The authors have made the figures used in the book available for download for fair use. Download Figures. Reviews: Rendering has been a required reference for professional graphics practitioners for nearly a decade. This latest edition is as relevant as ever, covering topics from essential mathematical foundations to advanced techniques used by today's cutting-edge games. -- Gabe Newell, President, Valve, May 2008 Rendering has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The Bookwatch, November 2008 You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well as a new respect for the incredible craftsmanship that goes into today's PC games. -- Logan Decker, PC Gamer Magazine, February 2009

## 3D Apple Games by Tutorials Second Edition

Write Truly Great iOS and OS X Code with Objective-C 2.0! Effective Objective-C 2.0 will help you harness all of Objective-C's expressive power to write OS X or iOS code that works superbly well in production environments. Using the concise, scenario-driven style pioneered in Scott Meyers' best-selling Effective C++, Matt Galloway brings together 52 Objective-C best practices, tips, shortcuts, and realistic code examples that are available nowhere else. Through real-world examples, Galloway uncovers little-known Objective-C quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. You'll learn how to choose the most efficient and effective way to accomplish key tasks when multiple options exist, and how to write code that's easier to understand, maintain, and improve. Galloway goes far beyond the core language, helping you integrate and leverage key Foundation framework classes and modern system libraries, such as Grand Central Dispatch. Coverage includes Optimizing interactions and relationships between Objective-C objects. Mastering interface and API design: writing classes that feel "right at home" Using protocols and categories to write maintainable, bug-resistant code Avoiding memory leaks that can still occur even with Automatic Reference Counting (ARC) Writing modular, powerful code with Blocks and Grand Central Dispatch Leveraging differences between Objective-C protocols and multiple inheritance in other languages Improving code by more effectively using arrays, dictionaries, and sets Uncovering surprising power in the Cocoa and Cocoa Touch frameworks