



Learning AV Foundation: A Hands-on Guide to Mastering the AV Foundation Framework

By Bob McCune

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AV Foundation for iOS and OS X® Programming—Get Started Fast!

If you develop media-rich iOS or OS X apps, you can do amazing things with Apple’s AV Foundation. However, the framework is extremely large, reliant on cutting-edge language features, and poorly documented. Now, there’s a more productive way to master these immensely powerful technologies: Bob McCune’s *Learning AV Foundation*.

McCune’s live presentations and GitHub projects have already helped thousands of Apple developers get started with AV Foundation. Building on his experience, McCune helps you gain true mastery by creating real-world apps, hands-on.

You’ll build a voice memo app, custom video player, video editor, and an image/video camera app. As you proceed, you’ll master all the techniques you need to write your own advanced media apps from scratch. Throughout, McCune provides carefully crafted challenges and complete starter apps—all designed to help you deepen your understanding and make the most of Apple’s breakthrough media framework.

COVERAGE INCLUDES

- Understanding how AV Foundation fits in Apple’s media environment and each of its key areas of functionality
- Enabling your apps with audio playback and recording features
- Enhancing video playback to deliver a richer, more dynamic experience
- Using AV Kit to match your user interfaces with iOS Videos or OS X QuickTime Player
- Developing media capture apps with real-time video processing using OpenGL ES and Core Image
- Implementing custom video players
- Integrating advanced capture features such as video zooming, face detection, barcode scanning, and high frame rate capture
- Mixing multiple audio tracks and automating volume control

- Building sophisticated non-linear, non-destructive editing apps
- Adding advanced video editing capabilities, such as video transitions and animation effects

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- Sales Rank: #317946 in Books
- Published on: 2014-11-14
- Released on: 2014-11-04

- Original language: English
- Number of items: 1
- Dimensions: 8.90" h x 1.10" w x 6.90" l, .0 pounds
- Binding: Paperback
- 432 pages

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Editorial Review

From the Back Cover

About the Author

Bob McCune is an iOS developer and instructor from Minnesota. He started developing for the Mac in 2007 and then switched to iOS when the first iPhone SDK was released in 2008. He is the owner of TapHarmonic, LLC, a small iOS consulting and training company based out of MN. Bob also founded the MN chapter of CocoaHeads in the spring of 2008 and remains the group leader to this day. Bob and his wife, Linda, have two amazing children who are growing up faster than he would like. He is incredibly blessed to have such a loving and supportive family.

Users Review

From reader reviews:

Joshua Rodrigue:

People live in this new day of lifestyle always try and must have the spare time or they will get wide range of stress from both way of life and work. So , if we ask do people have spare time, we will say absolutely without a doubt. People is human not really a robot. Then we ask again, what kind of activity are you experiencing when the spare time coming to you of course your answer may unlimited right. Then ever try this one, reading guides. It can be your alternative in spending your spare time, the actual book you have read will be Learning AV Foundation: A Hands-on Guide to Mastering the AV Foundation Framework.

James Edwards:

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