



courtesy of two of the best iOS and Mac developers in the field today, and gets you programming to the best of your ability in this important language. It gets you rolling fast into the sound fundamentals and idioms of Objective-C on the Mac and iOS, in order to learn how best to construct your applications and libraries, making the best use of the tools it provides—no matter what projects you plan to build. The book offers thorough introductions to the core tenets of the language itself and its primary toolkits: the Foundation and AppKit frameworks. Within its pages you will encounter a mine of information on many topics, including use of the file system and network APIs, concurrency and multi-core programming, the user interface system architecture, data modeling, and more. You'll soon find yourself building a fairly complex Objective-C based application, and mastering the language ready for your own projects. If you're new to programming altogether, then Apress has other Objective-C books for you such as our Learning and Absolute Beginner titles—otherwise, let your existing skills ramp you fast forwards in Objective-C with Beginning Objective-C so that you can start building your own applications quickly.

Swift for Programmers

The Big Nerd Ranch Guide

Programming in Objective-C 2.0

For OS X and iOS

Beginning iPhone SDK Programming with Objective-C

Offers more than one hundred customizable code phrases for Objective-C programming projects.

What does it take to build an iPhone app with stunning 3D graphics? This book will show you how to apply OpenGL graphics programming techniques to any device running the iPhone OS -- including the iPad and iPod Touch -- with no iPhone development or 3D graphics experience required. iPhone 3D Programming provides clear step-by-step instructions, as well as lots of practical advice, for using the iPhone SDK and OpenGL. You'll build several graphics programs -- progressing from simple to more complex examples -- that focus on lighting, textures, blending, augmented reality, optimization for performance and speed, and much more. All you need to get started is a solid understanding of C++ and a great idea for an app. Learn fundamental graphics concepts, including transformation matrices, quaternions, and more. Get set up for iPhone development with the Xcode environment. Become familiar with versions 1.1 and 2.0 of the OpenGL ES API, and learn to use vertex buffer objects, lighting, texturing, and shaders. Use the iPhone's touch screen, compass, and accelerometer to build interactivity into graphics applications. Build iPhone graphics applications such as a 3D wireframe viewer, a simple augmented reality application, a spring system simulation, and more.

Advanced Programming in Objective-C

Professional Objective-C

The Series on How to Write iPhone and iPad Apps: Flying with Objective-C

Learn C the Hard Way

Objective-C Fundamentals