

Game Development Essentials Game Project Management

Demystifies the Processes of Game Development Game Development for iOS with Unity3D takes you through the complete process of Unity iOS game development. A game developer for over 12 years, the author presents production-proven techniques and valuable tips and tricks needed to plan, build, test, and launch games for the iPhone, iPod, and iPad. He walks you through all the necessary procedures, including how to publish your game to the App Store. Encompasses the Whole Range of iOS Game Development This practical book begins with advice on writing a game design document and getting Apple developer certification. It then covers the build processes of the Unity Remote application and explains how to use the Unity editor. After focusing on debugging and optimization, the author describes tips for designing and marketing a successful App Store page. The book also features two iOS-ready games to explore, adapt, and play. Source files for the game examples are available at www.crcpress.com. Guides You in Creating a Functional iOS Game Accessible to indie game developers and small- to medium-sized studios, this hands-on guide gives you the tools and knowledge needed to start building and launching iOS games. It helps you create games using Unity3D and publish them to the App Store.

In Pro Unity Game Development with C#, Alan Thorn, author of Learn Unity for 2D Game Development and experienced game developer, takes you through the complete C# workflow for developing a cross-platform first person shooter in Unity. C# is the most popular programming language for experienced Unity developers, helping them get the most out of what Unity offers. If you're already using C# with Unity and you want to take the next step in becoming an experienced, professional-level game developer, this is the book you need. Whether you are a student, an indie developer, or a season game dev professional, you'll find helpful C# examples of how to build intelligent enemies, create event systems and GUIs, develop save-game states, and lots more. You'll understand and apply powerful programming concepts such as singleton classes, component based design, resolution independence, delegates, and event driven programming. By the end of the book, you will have a complete first person shooter game up and running with Unity. Plus you'll be equipped with the know-how and techniques needed to deploy your own professional-grade C# games. If you already know a bit of C# and you want to improve your Unity skills, this is just the right book for you.

Create games on multiple platforms from a single codebase using Haxe and the HaxeFlixel engine About This Book Learn the modern, cross-platform language Haxe to build games without any trouble Create engaging 2D games that are compatible with desktop, web, and mobile platforms Learn how to speed up your workflow with OpenFL and HaxeFlixel using this useful and compact guide Who This Book Is For This book is for game developers with some experience programming games on one or more platforms already. If you want to leverage your game development experience on one platform to develop for

multiple platforms and to get up and running quickly, this book is for you. Having prior experience with a language similar to Haxe, such as ActionScript or JavaScript will help, but isn't required. What You Will Learn Understand the fundamentals of the Haxe programming language Set up a development environment that will work on Windows, Mac, and Linux Create fun 2D games using OpenFL and HaxeFlixel Understand how to implement a user interface Enhance the gameplay experience with cool animations Improve immersion by adding sound Make your game modular and easily expandable using configuration files Compile games that will work on desktop, web, and mobile platforms In Detail Haxe is a powerful and high-level multi-platform language that's incredibly easy to learn. Used by thousands of developers and many high-profile companies, Haxe is quickly emerging as a forerunner in the area of cross-platform programming. OpenFL builds on top of Haxe to make developing for multiple platforms quick and painless. HaxeFlixel provides you with the tools you need to build amazing 2D games easier than ever before. Cross-platform development has been supercharged using the Haxe programming language, making it increasingly easy and hassle-free to develop multi-platform games. If you've programmed games before and want to learn out how to deliver games across multiple platforms, or develop games faster, then Haxe Game Development Essentials is the book for you. It starts by showing you how to set up your development environment, then running you through some Haxe language fundamentals, and finally taking you through the process of programming a game from start to finish. You will learn how to create a side scrolling shooter game using HaxeFlixel. Next you will learn to enhance the game with new gameplay features, user interfaces, animations, sound, and configuration files to make your game expandable. Once your game is built and ready, you will learn how to deploy it to web, Android, iOS, and desktop systems. By the end of this book, you will be confident about creating multi-platform games using Haxe, OpenFL, and HaxeFlixel in a faster and easier way. Style and approach Since this book is aimed at people who have worked on games before, this book is written in a way that will get you quickly up to speed with a new set of tools, but will still be accessible for less experienced developers. Each chapter covers an essential milestone in building a game from start to finish. The chapters move in a logical fashion, starting with the basics of Haxe development and ending with preparing a game for deployment. Android Game Development Made Easy. If you've always wanted to make Android games but didn't know where to start, this book is for you. Whether you are an absolute beginner with no programming experience or an experienced Java developer wanting to get started with game development, this comprehensive book will help you accomplish your goals and teach you how to build your own games from scratch-no game engines needed. In this beginner-friendly guide, you will find focused, step-by-step approaches designed to help you learn and practice one fundamental concept at a time. You will study Java and write object-oriented applications. You will experiment with the building blocks of Android and create fun, interactive 2D games with touch controls. You will even learn how to integrate social features such as a global leaderboard

**and publish your game to be shared with the billion Android users across the world. This book provides access to an extensive library of sample Java and Android game projects via its companion website so that you can continue learning on your own and grow as a game programmer. With this up-to-date guide in your hand, you will be able to successfully navigate common pitfalls and get up and running with your own projects in no time. Tested on Android Lollipop. All the code in the book has been tested on the Android Lollipop SDK (5.0), and is available under the open source MIT license at the book's companion site. Table of Contents: *Unit 1: Java Basics *Chapter 1: The Fundamentals of Programming, *Chapter 2: Beginning Java, *Chapter 3: Designing Better Objects, *Unit 2: Java Game Development, *Chapter 4: Laying the Foundations, *Chapter 5: Keeping It Simple, *Chapter 6: The Next Level, *Unit 3: Android Game Development, *Chapter 7: Beginning Android Development, *Chapter 8: The Android Game Framework, *Chapter 9: Building the Game, *Unit 4: Finishing Touches, *Chapter 10: Releasing Your Game, *Chapter 11: Continuing the Journey
Cryengine 3 Game Development**

Haxe Game Development Essentials

iPhone iOS4 Development Essentials - Xcode 4 Edition

Unreal Engine 4 Game Development Essentials

Game Programming in C++

Do you want to build mobile games, but lack game development experience? No problem. This practical guide shows you how to create beautiful, interactive content for iOS and Android devices with the Unity game engine. Authors Jon Manning and Paris Buttfield-Addison (iOS Swift Game Development Cookbook) provide a top-to-bottom overview of Unity's features with specific, project-oriented guidance on how to use them in real game situations. Over the course of this book, you'll learn hands-on how to build 2D and 3D games from scratch that will hook and delight players. If you have basic programming skills, you're ready to get started. Explore the basics of Unity, and learn how to structure games, graphics, scripting, sounds, physics, and particle systems Use 2D graphics and physics features to build a side-scrolling action game Create a 3D space combat simulator with projectile shooting and respawning objects, and learn how to manage the appearance of 3D models Dive into Unity's advanced features, such as precomputed lighting, shading, customizing the editor, and deployment

GAME DEVELOPMENT ESSENTIALS: AN INTRODUCTION, 3E is an authoritative, industry-driven introduction to the world of game development, with updates that keep readers current and well-prepared for a successful career in the field. This book not only examines content creation and the concepts behind development, but it also give readers a background on the evolution of game development and how it has become what it is today. GAME DEVELOPMENT ESSENTIALS also includes chapters on project management, development team roles and responsibilities, development cycle, marketing,

maintenance, and the future of game development. With the same engaging writing style and examples that made the first two editions so popular, this new edition features all the latest games and game technology. Coverage of new game-related technology, development techniques, and the latest research in the field make this an invaluable resource for anyone entering the exciting, competitive, ever-changing world of game development. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Game Development Essentials is the only four-color text in the market that offers a comprehensive introduction on game project management in an informal and accessible style, while concentrating on both theory and practice. Game Development Essentials is the only four-color text in the market that offers a comprehensive introduction on game project management in an informal and accessible style, while concentrating on both theory and practice.

GAME DEVELOPMENT ESSENTIALS: AN INTRODUCTION, International Edition is an authoritative, industry-driven introduction to the world of game development, with updates that keep readers current and well-prepared for a successful career in the field. This book not only examines content creation and the concepts behind development, but it also give readers a background on the evolution of game development and how it has become what it is today. GAME DEVELOPMENT ESSENTIALS also includes chapters on project management, development team roles and responsibilities, development cycle, marketing, maintenance, and the future of game development. With the same engaging writing style and examples that made the first two editions so popular, this new edition features all the latest games and game technology. Coverage of new game-related technology, development techniques, and the latest research in the field make this an invaluable resource for anyone entering the exciting, competitive, ever-changing world of game development.

Beginner's Guide

All-in-one, multi-platform game development

From Business and Budgets to Creativity and Design

Unity 3D and PlayMaker Essentials

The Official GameSalad Guide to Game Development

Unity 2020 Mobile Game Development

Android gaming is a hot topic these days, but one of the few areas of technology that does not have an abundance of clear and useful documentation online. However, there is an ever-increasing demand for Android games. This book will help you get up to speed with the essentials of game development with Android. The book begins by teaching you the setup of a game development environment on a fundamental level. Moving on, the book deals with concepts such as building a home screen UI, implementing game objects, and painting the scene at a fixed resolution. Gradually, it builds up to the implementation of a flexible and advanced game engine that uses OpenGL ES 2 for fast, smooth frame rates. This is achieved by starting with a simple game and gradually increasing the complexity of the three complete games built step by step. By the end of the book, you will have successfully built three exciting games over the course of three engrossing and insightful projects.

GAME DEVELOPMENT ESSENTIALS: AN INTRODUCTION, 4E is an authoritative, industry-driven introduction to the world of game development, with updates that keep readers current and well-prepared for a successful career in the field. This book not only examines content creation and the concepts behind development, but it also give readers a background on the evolution of game development and how it has become what it is today. GAME DEVELOPMENT ESSENTIALS also includes chapters on project management, development team roles and responsibilities, development cycle, marketing, maintenance, and the future of game development. With the same engaging writing style and examples that made the first two editions so popular, this new edition features all the latest games and game technology. Coverage of new game-related technology, development techniques, and the latest research in the field make this an invaluable resource for anyone entering the exciting, competitive, ever-changing world of game development.

Create responsive and intelligent game AI using Blueprints in Unreal Engine 4 About This Book Understand and apply your Game AI better through various projects such as adding randomness and probability, and introducing movement Configure and debug Game AI logic using multiple methodologies Bridge the gap between your knowledge and Game AI in Unreal Engine 4 Who This Book Is For This book is for programmers and artists who want to expand their knowledge of Game AI in relation to Unreal Engine 4. You are recommended to have some experience of exploring Unreal Engine 4 prior to this book because we jump straight into Game AI. What You Will Learn Understand the fundamental components of Game AI within Unreal Engine 4 Skillfully introduce Game AI within Unreal Engine 4 Configure, customize, and assign Navigation and AI components to your pawn Create, debug, and analyze Game AI behavior Design responsive Game AI using the Behavior Tree methodology Create smart objects designed to interact with AI Utilize advanced AI features within your project to maximize the user experience In Detail Unreal Engine is a powerful game development engine that provides rich functionalities to create 2D and 3D games. Developers have the opportunity to build cross-platform mobile and desktop games from scratch. This book will show you how to apply artificial intelligence (AI) techniques to your Unreal project using blueprints as your scripting language. You will start with an introduction to AI, and learn how it is applied to gaming. Then you'll jump right in and create a simple AI bot and apply basic behaviors to allow it to move randomly. As you progress, you'll find out how to implement randomness and probability traits. Using NavMesh, you will impart navigation components such as character movement, MoveTo nodes, settings, and world objects, and implement Behavior Trees. At the end of the book, you will troubleshoot any issues that might crop up while building the game. Style and approach This easy-to-follow project-based guide throws you directly into the excitement of Game AI in an approachable and comprehensive manner.

Build fully functional, professional 3D games with realistic environments, sound, dynamic effects, and more!

Unity Game Development Essentials

Cocos2D Game Development Essentials

Game Development Essentials: An Introduction

Game Coding Complete

Discover practical techniques and examples to create and deliver engaging games for Android and iOS, 2nd Edition

Unity 3.x Game Development Essentials

Game designers today are expected to have an arsenal of multi-disciplinary skills at their disposal in the fields of art and design, computer programming, psychology, economics, composition, education, mythology—and the list goes on. How do you distill a vast universe down to a few salient points? *Players Making Decisions* brings together the wide range of topics that are most often taught in modern game design courses and focuses on the core concepts that will be useful for students for years to come. A common theme to many of these concepts is the art and craft of creating games in which players are engaged by making meaningful decisions. It is the decision to move right or left, to pass versus shoot, or to develop one's own strategy that makes the game enjoyable to the player. As a game designer, you are never entirely certain of who your audience will be, but you can enter their world and offer a state of focus and concentration on a task that is intrinsically rewarding. This detailed and easy-to-follow guide to game design is for both digital and analog game designers alike and some of its features include: A clear introduction to the discipline of game design, how game development teams work, and the game development process Full details on prototyping and playtesting, from paper prototypes to intellectual property protection issues A detailed discussion of cognitive biases and human decision making as it pertains to games Thorough coverage of key game elements, with practical discussions of game mechanics, dynamics, and aesthetics Practical coverage of using simulation tools to decode the magic of game balance A full section on the game design business, and how to create a sustainable lifestyle within it

Beginning Python Games Development, Second Edition teaches you how to create compelling games using Python and the PyGame games development library. It will teach you how to create visuals, do event handling, create 3D games, add media elements, and integrate OpenGL into your Python game. In this update to the first ever book to cover the popular open source PyGame games development library, you'll stand to gain valuable technical insights and follow along with the creation of a real-world, freely downloadable video game. Written by industry veterans and Python experts Will McGugan and Harrison Kinsley, this is a comprehensive, practical introduction to games development in Python. You can also capitalize upon numerous tips and tricks the authors have accumulated over their careers creating games for some of the world's largest game developers.

Beginning 3D Game Development with Unity is perfect for those who would like to come to grips with programming Unity. You may be an artist who has learned 3D tools such as 3ds Max, Maya, or Cinema 4D, or you may come from 2D tools such as Photoshop and Illustrator. On the other hand, you may just want to familiarize yourself with programming games and the latest ideas in game production. This book introduces key game production concepts in an artist-friendly way, and rapidly teaches the basic scripting skills you'll need with Unity. It goes on to show how you, as an independent game artist, can create casual interactive adventure games in the style of Telltale's *Tales of*

Monkey Island, while also giving you a firm foundation in game logic and design. The first part of the book explains the logic involved in game interaction, and soon has you creating game assets through simple examples that you can build upon and gradually expand. In the second part, you'll build the foundations of a point-and-click style first-person adventure game—including reusable state management scripts, load/save functionality, a robust inventory system, and a bonus feature: a dynamically configured maze and mini-map. With the help of the provided 2D and 3D content, you'll learn to evaluate and deal with challenges in bite-sized pieces as the project progresses, gaining valuable problem-solving skills in interactive design. By the end of the book, you will be able to actively use the Unity 3D game engine, having learned the necessary workflows to utilize your own assets. You will also have an assortment of reusable scripts and art assets with which to build future games.

Introduce the versatility and simplicity of the highly popular, powerful UDK game development engine with this book's thorough presentation and project-based training designed specifically for those who have no experience with this engine.

Producing Games

Unity AI Programming Essentials

With PyGame

Game Project Management

Unity Game Development in 24 Hours, Sams Teach Yourself

Game Development Essentials

In introducing new students to video game development, there are two crucial components to consider: design and implementation. Unity 3D and PlayMaker Essentials: Game Development from Concept to Publishing provides theoretical background on topics such as characters, stories, level design, interface design, audio, game mechanics, and tools and skills needed. Each chapter focuses on a specific topic, with topics building upon each other so that by the end of the book you will have looked into all the subjects relevant to creating your own game. The book transitions from discussion to demonstrations of how to implement techniques and concepts into practice by using Unity3D and PlayMaker.

Download boxes are included throughout the book where you can get the version of the game project under discussion or other content to add to the project, as well as any supplementary video tutorials that have been developed.

Addressing both theoretical and practical aspects, Unity 3D and PlayMaker Essentials enables you to understand how to create a game by having you make a game. By gradually completing your own design document through the course of the book, you will become familiar with core design principles while learning the practical skills needed to bring your unique game to life.

Learn the tools and techniques of game design using a project-based approach with Unreal Engine 4 and C++ Key Features Kickstart your career or dive into a new hobby by exploring game design with UE4 and C++ Learn the techniques needed to prototype and develop your own ideas Reinforce your skills with project-based learning by building a series of games from scratch Book Description Game development can be both a creatively fulfilling hobby and a full-time career

path. It's also an exciting way to improve your C++ skills and apply them in engaging and challenging projects. Game Development Projects with Unreal Engine starts with the basic skills you'll need to get started as a game developer. The fundamentals of game design will be explained clearly and demonstrated practically with realistic exercises. You'll then apply what you've learned with challenging activities. The book starts with an introduction to the Unreal Editor and key concepts such as actors, blueprints, animations, inheritance, and player input. You'll then move on to the first of three projects: building a dodgeball game. In this project, you'll explore line traces, collisions, projectiles, user interface, and sound effects, combining these concepts to showcase your new skills. You'll then move on to the second project; a side-scroller game, where you'll implement concepts including animation blending, enemy AI, spawning objects, and collectibles. The final project is an FPS game, where you will cover the key concepts behind creating a multiplayer environment. By the end of this Unreal Engine 4 game development book, you'll have the confidence and knowledge to get started on your own creative UE4 projects and bring your ideas to life. What you will learn

- Create a fully-functional third-person character and enemies
- Build navigation with keyboard, mouse, gamepad, and touch controls
- Program logic and game mechanics with collision and particle effects
- Explore AI for games with Blackboards and Behavior Trees
- Build character animations with Animation Blueprints and Montages
- Test your game for mobile devices using mobile preview
- Add polish to your game with visual and sound effects
- Master the fundamentals of game UI design using a heads-up display

Who this book is for This book is suitable for anyone who wants to get started using UE4 for game development. It will also be useful for anyone who has used Unreal Engine before and wants to consolidate, improve and apply their skills. To grasp the concepts explained in this book better, you must have prior knowledge of the basics of C++ and understand variables, functions, classes, polymorphism, and pointers. For full compatibility with the IDE used in this book, a Windows system is recommended.

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

Program 3D Games in C++: The #1 Language at Top Game Studios Worldwide C++ remains the key language at many leading game development studios. Since it's used throughout their enormous code bases, studios use it to maintain and improve their games, and look for it constantly when hiring new developers. Game Programming in C++ is a practical, hands-on approach to programming 3D video games in C++. Modeled on Sanjay Madhav's game programming courses at USC, it's fun, easy, practical, hands-on, and complete. Step by step, you'll learn to use C++ in all facets of real-world game programming, including 2D and 3D graphics, physics, AI, audio, user interfaces, and much more. You'll hone real-world skills through practical exercises, and deepen your expertise through start-to-finish projects that grow in complexity as you build your skills. Throughout, Madhav pays special attention to demystifying the math that all

professional game developers need to know. Set up your C++ development tools quickly, and get started Implement basic 2D graphics, game updates, vectors, and game physics Build more intelligent games with widely used AI algorithms Implement 3D graphics with OpenGL, shaders, matrices, and transformations Integrate and mix audio, including 3D positional audio Detect collisions of objects in a 3D environment Efficiently respond to player input Build user interfaces, including Head-Up Displays (HUDs) Improve graphics quality with anisotropic filtering and deferred shading Load and save levels and binary game data Whether you're a working developer or a student with prior knowledge of C++ and data structures, *Game Programming in C++* will prepare you to solve real problems with C++ in roles throughout the game development lifecycle. You'll master the language that top studios are hiring for—and that's a proven route to success.

Learn to build your first games and bring your ideas to life using UE4 and C++

The Ultimate Guide to Video Game Writing and Design

Game Development for iOS with Unity3D

Game Development Projects with Unreal Engine

An Introduction

Beginning 3D Game Development with Unity

Written in a non-technical manner, *Game Development Essentials: Game Industry Career Guide* is a valuable asset for anyone looking for a job, not only in the game industry but also in any field requiring technical expertise and creative talent. Not only does it discuss what skills game companies need, it also gives extensive advice and insights on writing a solid r?sum?, building a portfolio that will attract game companies, and preparing for telephone and personal interviews.

A practical guide on how to use Unity for building cross-platform mobile games and Augmented Reality apps using the latest Unity 2020 toolset Key Features>Create, deploy, and monetize captivating and immersive games on Android and iOS platformsTake your games into the real world by adding augmented reality features to your mobile projectsKick-start your mobile game development journey with step-by-step instructions and a demo game projectBook Description Unity 2020 brings a lot of new features that can be harnessed for building powerful games for popular mobile platforms. This updated second edition delves into Unity development, covering the new features of Unity, modern development practices, and augmented reality (AR) for creating an immersive mobile experience. The book takes a step-by-step approach to building an endless runner game using Unity to help you learn the concepts of mobile game development. This new edition also covers AR features and explains how to implement them using ARCore and ARKit with Unity. The book explores the new mobile notification package and helps you add notifications for your games. You'll learn how to add touch gestures and design UI elements that can be used in both landscape and portrait modes at different resolutions. The book then covers the best ways to monetize your games using Unity Ads and in-app purchases before you learn how to integrate your game with various social networks. Next, using Unity's analytics tools, you'll enhance your game by gaining insights into how players like and use your game. Finally, you'll take your games into the real world by implementing

AR capabilities and publishing them on both Android and iOS app stores. By the end of this book, you will have learned Unity tools and techniques and be able to use them to build robust cross-platform mobile games. What you will learn
Design responsive user interfaces for your mobile games
Detect collisions, receive user input, and create player movements for your mobile games
Create interesting gameplay elements using inputs from your mobile device
Explore the mobile notification package in Unity game engine to keep players engaged
Create interactive and visually appealing content for Android and iOS devices
Monetize your game projects using Unity Ads and in-app purchases
Who this book is for If you are a game developer or mobile developer who wants to learn Unity and use it to build mobile games for iOS and Android, then this Unity book is for you. Prior knowledge of C# and Unity will be beneficial but is not mandatory.

THE OFFICIAL GAMESALAD GUIDE TO GAME DEVELOPMENT teaches readers how to make their own games with the simple, powerful, drag-and-drop GameSalad Creator software. Using techniques based on key game development concepts, current trends, and established best practices, readers will be able to use GameSalad Creator from concept to prototype--and beyond. The text's wide-ranging coverage encompasses desktop, mobile, online, social, and serious games--as well as key platforms such as iOS, Android, Mac, Windows, and HTML 5. This reader-friendly, highly visual guide is equally suited for formal game development courses and self-paced learning--with a balance of depth and detail that is ideal for both professionals and those working on their first game. Basic tutorials and terminology are available in the book's Appendix. GameSalad has also provided manuals, templates, and a Cookbook containing video tutorials at <http://gamesalad.com/manuals> and <http://cookbook.gamesalad.com>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

SFML Game Development is a fast-paced, step-by-step guide, providing you with all the knowledge and tools you need to create your first game using SFML 2.0. SFML Game Development addresses ambitious C++ programmers who want to develop their own game. If you have plenty of ideas for an awesome and unique game, but don't know how to start implementing them, then this book is for you. The book assumes no knowledge about SFML or game development, but a solid understanding of C++ is required.

Mobile Game Development with Unity

Beginning Python Games Development, Second Edition

Creating 3D Games

Game Development Essentials: Game Interface Design

Build Once, Deploy Anywhere

UDK Game Development

This book is aimed at developers who know the basics of game development with Unity and want to learn how to a games. You do not need any previous AI knowledge; this book will explain all the essential AI concepts and show you use them in your games.

An easy-to-follow primer on the fundamentals of digital game design The quickly evolving mobile market is spurring creation into the stratosphere, with revenue from games exceeding that of the film industry. With this guide to the on the game of digital game design while you learn the skills required for storyboarding, character creation, environ

level design, programming, and testing. Teaches basic skill sets in the context of current systems, genres, and game
Demonstrates how to design for different sectors within gaming including console, PC, handheld, and mobile Explore
modeling for game play Addresses character and prop animation, lighting and rendering, and environment design Disc
from concept to product, including pre- and post-production Includes real-world scenarios and interviews with key
industry professionals With Game Design Essentials, you'll benefit from a general-but-thorough overview of the core
technology fundamentals of digital game design for the 21st century.

Covering the complex topic of game interface design, GAME DEVELOPMENT ESSENTIALS: GAME INTERFACE DESIGN, is
with an all new Second Edition. This comprehensive introductory text immerses readers in the foundation, theory, and
interface creation, while including interviews with working professionals, examples from every gaming era and many
hundreds of screenshots from contemporary games. Also featured are an expanded practice section with a wide variety
design examples, coverage of interface design for mobile and motion-sensing devices, multiplayer games, and much more.
will explore everything from the history of game interface design and basic design theories to practical strategies for
winning, interactive interfaces and user experiences. Important Notice: Media content referenced within the product
the product text may not be available in the ebook version.

Two leading game designers take readers step by step through the entire process of creating a video game, from design
and integrating it into a game, to writing the game script, creating the design document, working with intellectual property
licensing, and selling an idea to developers and publishers. Original.

Unity Game Development Cookbook

Game industry career guide

Players Making Decisions

Mobile Game Design Essentials

Pro Unity Game Development with C#

Essentials for Every Game

Get your feet wet in developing visual novels and take a guided tour through easy to follow tutorials using three of the most
popular tools (Ren'Py, TyranoBuilder, and Twine). This book uses a two-pronged approach into the fine art of text-based games,
showing you what makes for compelling writing as well as the programming logic and techniques needed to bring your visual
novels to life. In this book, you will uncover the rich history of interactive fiction from the bare-bones 1970s games to the
audiovisually rich modern output. You will take a detailed look at how to work with some of the most popular and exotic sub-
genres and tropes of interactive fiction, such as nakige ("crying game"), dating sims, and horror. Once the stage is set, you will

learn to use all-purpose programming logic and techniques in three mini tutorial games and also learn how to deploy your titles to both desktop and mobile platforms. Not solely relegated to the ancient historical period of the 1980s and 1990s, interactive fiction has again become appealing to developers as new tools became available. The visual novel is an increasingly popular and potentially lucrative genre of video game, being deployed for Windows, Mac, iOS, Android, and more. Game Development with Ren'Py reveals how multi-platform tools such as Ren'Py, TyranoBuilder, and Twine are becoming ever more plentiful for creating games in this genre. What You'll Learn Gain a working knowledge of Ren'Py, TyranoBuilder, and Twine Examine the basics of general programming logic Deploy to all available operating systems and platforms Review different approaches to fiction writing in the context of text-based games Who This Book Is For People with no programming experience who are interested in working in the genre of visual novels or interactive fiction.

In just 24 lessons of one hour or less, Sams Teach Yourself Unity Game Development in 24 Hours will help you master the Unity 5 game engine at the heart of Hearthstone: Heroes of Warcraft, Kerbal Space Program, and many other sizzling-hot games! This book ' s straightforward, step-by-step approach teaches you everything from the absolute basics through sophisticated game physics, animation, and mobile device deployment techniques. Every lesson builds on what you ' ve already learned, giving you a rock-solid foundation for real-world success. Step-by-step instructions carefully walk you through the most common Unity game development tasks. Practical, hands-on examples show you how to apply what you learn. Quizzes and exercises help you test your knowledge and stretch your skills. Notes and tips point out shortcuts and solutions.

Find out how to use the Unity Game Engine to its fullest for both 3D and 2D game development—from the basics to the hottest new tricks in virtual reality. With this unique cookbook, you ' ll get started in two ways: First, you ' ll learn about the Unity game engine by following very brief exercises that teach specific features of the software Second, this tutorial-oriented guide provides a collection of snippets that solve common gameplay problems, like determining if a player has completed a lap in a race Using our cookbook format, we pinpoint the problem, set out the solution, and discuss how to solve your problem in the best and most straightforward way possible so you can move onto the next step in the project. Unity Game Development Cookbook is ideal for beginning to intermediate Unity developers. Beginners will get a broad immersion into the Unity development environment, while intermediate developers will learn how to apply the foundational Unity skills they have to solve real game development problems.

This book follows an informal, demystifying approach to the world of game development with the Unity game engine. With no prior knowledge of game development or 3D required, you will learn from scratch, taking each concept at a time working up to a full 3D mini-game. You'll learn scripting with C# or JavaScript and master the Unity development environment with easy-to-follow stepwise tasks. If you're a designer or animator who wishes to take their first steps into game development or prototyping, or if you've simply spent many hours sitting in front of video games, with ideas bubbling away in the back of your mind, Unity and this book should be your starting point. No prior knowledge of game production is required, inviting you to

simply bring with you a passion for making great games.

The Beginner's Guide to Android Game Development

Game Development from Concept to Publishing

Game Design Essentials and the Art of Understanding Your Players

Game Design Essentials

Introduction to Visual Novel Games Using Ren'Py, TyranoBuilder, and Twine

Game Development with Ren'Py

If you are a game developer with experience in Objective-C and are interested in creating games for iOS or Android, this is the book for you. It will help you to quickly get started with Cocos2D and guide you through the process of creating a game, giving you the essential skills and knowledge you need to do so.

A practical tutorial that's easy to follow with lots of tips, examples and diagrams, including a full game project that grows with each chapter, This book targets Professional and Indie game developers who want to develop games quickly and easily to run across a huge range of smartphones and tablets. You are expected to have some experience writing games using C++ on other platforms. Its aim is to show how to take your existing skills and apply them to writing games for mobile devices (including iOS and Android) by explaining the use of the Marmalade SDK, Familiarity with games and 3D graphics programming would be helpful. No knowledge of specific mobile SDKs such as iOS or Android is required.

A step-by-step guide. This book is for all game developers, designers, and hobbyists who want to create assets for mobile games

Design, build, and publish an iOS game from scratch using the stunning features of iOS 9 About This Book Create storyboards in Xcode from concept to code and design Chalk out your game's overall navigation and structure Work with 2D and 3D game development tools Who This Book Is For This book is intended for game developers who wish to develop 2D and 3D games for iPhone and iPad. If you are a developer from another platform, or game engine such as Android or Unity, a current iOS developer wishing to learn more about Swift and the latest features of iOS 9, or even if you are new to game development, then this book is for you. Some prior programming knowledge is recommended, but not required. What You Will Learn Familiarise yourself with both basic and advanced Swift game development code Understand the structure and flow of a typical iOS app Work with the SpriteKit framework to make 2D games, sprites, and overlays Discover 3D game development with SceneKit Visually design levels and game assets with XCode 7's latest features Explore the concept of component-based structuring with iOS 9's Gameplaykit

Beta test and publish your game with iTunes Connect In Detail Game development has always been a combination of programming and art, and mobile game development is no exception to this rule. The iOS platform has been both a staple in the ever-growing mobile game market, as well as a launching point for many game developers (hobby and career-wise). The features and frameworks available in iOS 9 continue to cater to the synergy of design and computer engineering, using tools that allow developers to take a game idea from concept to application in record time. Whether you are new to iOS and game development as a whole, or are an experienced programmer wanting to learn the latest features of the platform, iOS 9 Game Development Essentials will provide you with crucial insight into this widely used platform. Starting with the Swift programming language, this book gets the ball rolling with code concepts and game-centric code samples right from the get-go, giving you get a solid understanding of Apple's cutting-edge programming language. The book takes you through iOS game development concepts and introduces the various frameworks that allow you to develop robust, reusable, and intelligent game components in both 2D and 3D game environments. Style and approach This book is a step-by-step guide into the code and concepts of iOS apps. Each chapter contains diagrams that showcase the features of the platform, along with code samples from Apple and code samples exclusive to this book.

iOS 9 Game Development Essentials

Android Game Programming by Example

Marmalade SDK Mobile Game Development Essentials

Unreal Engine 4 AI Programming Essentials

SFML Game Development

Computer games are big business - tens of billions of dollars are spent annually by the worldwide video games market. The cost of producing video games has ballooned to beyond \$20 million dollars in many cases, and team sizes are quickly growing past 100 team members. At the center of this storm is the producer - one person who transforms the money, the hours spent by the team, and the latest technology into a work of art that millions of people will call fun. This book will dig deeply into the role of the producer and expose secrets of game production that stand the test of time: how to build a great team, how to plan a major game development project, and how to pull the development toward the vision of a great game.

Discover how to use the CryENGINE 3 free SDK, the next-generation real-time game development tool.

Game Development Essentials: An Introduction Cengage Learning

Master the basics of Unreal Engine 4 to build stunning video games About This Book Get to grips with the user interface of Unreal Engine 4 and find out more about its various robust features Create dream video games with the help of the different tools Unreal Engine 4 offers Create video-games and fully utilize the power of Unreal Engine 4 to bring games to life through this step-by-step guide Who This Book

If you have a basic understanding of working on a 3D environment and you are interested in video game development, then this book is for you. A solid knowledge of C++ will come in handy. What You Will Learn Download both the binary and source version of Unreal Engine 4 Get familiar with the UI Get to know more about the Material Editor and how it works Add a post process to the scene and alter it to give a unique look for your scene Acquaint yourself with the unique and exclusive feature of Unreal Engine 4—Blueprints Find out more about Blueprints and Dynamic lighting and the difference between various lights Use Matinee to create cut scenes Create a health bar for the player with the use of Unreal Motion Graphics (UMG) Get familiar with Cascade Particle Editor In Detail Unreal Engine 4 is a complete suite of game development tools that gives you power to develop your game and seamlessly deploy it to iOS and Android devices. It can be used for the development of simple 2D games or even stunning high-end visuals. Unreal Engine features a high degree of portability and is a tool used by many game developers today. This book will introduce you to the most popular game development tool called Unreal Engine 4 with hands-on instructions for building stunning video games. You will begin by creating a new project or prototype by learning the essentials of Unreal Engine by getting familiar with the UI and Content Browser. Next, we'll import a sample asset from Autodesk 3ds max and learn more about the Material Editor. After that we will learn more about Post Process. From there we will continue to learn more about Blueprints, Lights, C++ and more. Style and approach This step-by-step guide will help you gain practical knowledge about Unreal Engine through detailed descriptions of all the tools offered by Unreal Engine.