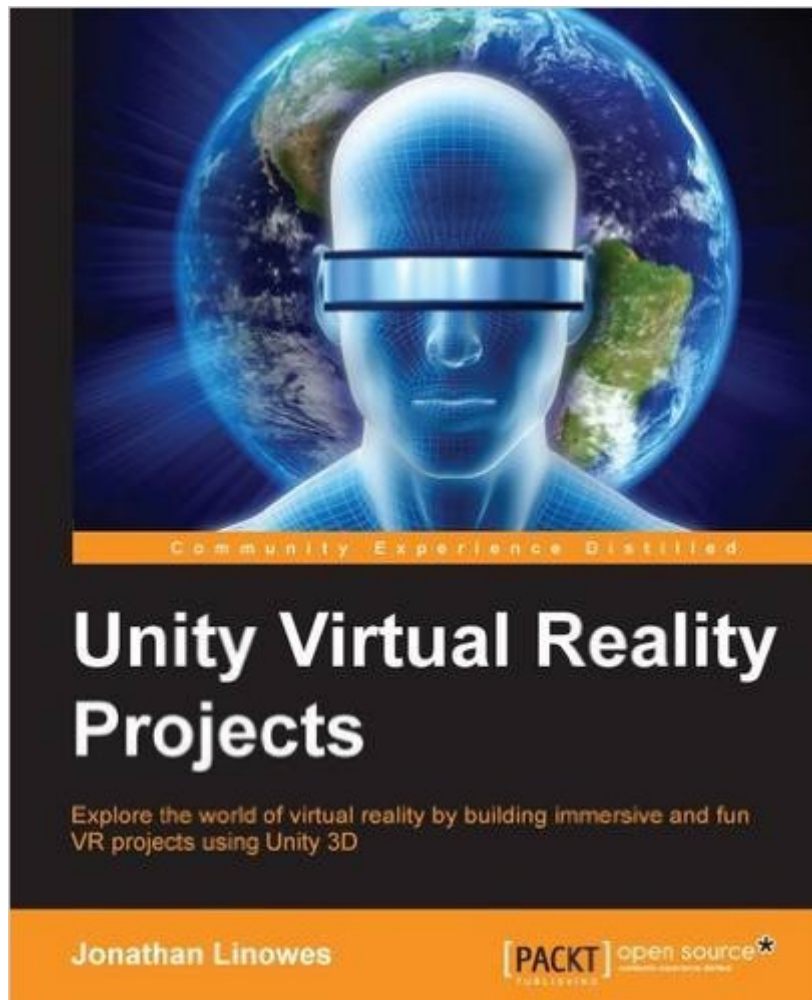


The book was found

Unity Virtual Reality Projects



Synopsis

Explore the world of Virtual Reality by building immersive and fun VR projects using Unity 3D
About This Book
Learn the basic principles of virtual reality applications and get to know how they differ from games and desktop apps
Build various types of VR experiences, including diorama, first-person characters, riding on rails, 360 degree projections, and social VR
A project-based guide that teaches you to use Unity to develop VR applications, which can be experienced with devices such as the Oculus Rift or Google Cardboard
Who This Book Is For
If you're a non-programmer unfamiliar with 3D computer graphics, or experienced in both but new to virtual reality, and are interested in building your own VR games or applications then this book is for you. Any experience in Unity is an advantage.
What You Will Learn
Create 3D scenes with Unity and Blender while learning about world space and scale
Build and run VR applications for consumer headsets including Oculus Rift and Google Cardboard
Build interactive environments with physics, gravity, animations, and lighting using the Unity engine
Experiment with various user interface (UI) techniques that you can use in your VR applications
Implement the first-person and third-person experiences that use only head motion gestures for input
Create animated walkthroughs, use 360-degree media, and build multi-user social VR experiences
Learn about the technology and psychology of VR including rendering, performance and VR motion sickness
Gain introductory and advanced experience in Unity programming with the C# language
In Detail
What is consumer virtual reality? Wearing a head-mounted display you view stereoscopic 3D scenes. You can look around by moving your head, and walk around using hand controls or motion sensors. You are engaged in a fully immersive experience. On the other hand, Unity is a powerful game development engine that provides a rich set of features such as visual lighting, materials, physics, audio, special effects, and animation for creating 2D and 3D games. Unity 5 has become the leading platform for building virtual reality games, applications and experiences for this new generation of consumer VR devices. Using a practical and project-based approach, this book will educate you about the specifics of virtual reality development in Unity. You will learn how to use Unity to develop VR applications which can be experienced with devices such as the Oculus Rift or Google Cardboard. We will then learn how to engage with virtual worlds from a third person and first person character point of view. Furthermore, you will explore the technical considerations especially important and possibly unique to VR. The projects in the book will demonstrate how to build a variety of VR experiences. You will be diving into the Unity 3D game engine via the interactive Unity Editor as well as C-Sharp programming. By the end of the book, you will be equipped to develop rich, interactive virtual reality experiences using Unity. So, let's get to it!
Style and approach
This book takes a

practical, project-based approach to teach specifics of virtual reality development in Unity. Using a reader-friendly approach, this book will not only provide detailed step-by-step instructions but also discuss the broader context and applications covered within.

Book Information

Paperback: 286 pages

Publisher: Packt Publishing - ebooks Account (September 2015)

Language: English

ISBN-10: 178398855X

ISBN-13: 978-1783988556

Product Dimensions: 7.5 x 0.6 x 9.2 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (12 customer reviews)

Best Sellers Rank: #101,982 in Books (See Top 100 in Books) #54 in [Books > Computers & Technology > Games & Strategy Guides > Game Programming](#) #293 in [Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development](#) #301 in [Books > Humor & Entertainment > Puzzles & Games > Video & Computer Games](#)

Customer Reviews

this book focuses solely on Virtual Reality (VR) over Augmented Reality (AR) solutions. In its pages youâ€™ll discover how VR apps and games differ from their desktop counterparts and what really goes in to making them (especially focusing on scale!, very important), walks you through several different types of VR solutions like Dioramaâ€™s, First person controllers, riding on rails (like a rollercoaster), 360 projections (you are IN the painting) and social VR. Youâ€™ll even delve in to several VR implementations inside Unity 5 such as the Oculus rift and (for those of you without a few hundred £ or \$ to spare) Google cardboard. Virtually everything for everyone As expected, the beginning chapter talks thoroughly about what VR is and what it isnâ€™t, together with an in-depth comparison between VR and AR. It also goes through all the different VR style experiences and how these apply to both apps and games. Finally it covers some of the technical skills youâ€™ll need (yes you do need Math!) to build effective VR solutions. Objects and scale A no-nonsense intro to Unity (practically just one page, which I like because too many titles waffle on about âœinstalling unityâ•) followed by a deep dive into creating your first VR scene, before finishing off with a high level walkthrough creating a basic asset in Blender (a free 3D modelling tool) and importing it in to Unity, keeping an eye on the all-important scale (I did say scale is important!) VR

Build and run So you have your VR scene, now what? Time to get it on a device, whatever you have to hand.

[Download to continue reading...](#)

Unity Virtual Reality Projects Virtual Assistant: 101- How to Effectively Outsource Tasks to Virtual Assistants to Maximize your Productivity (Outsourcing, Virtual Assistant) Mastering Unity 2D Game Development - Building Exceptional 2D Games with Unity Virtual Freedom: How to Work with Virtual Staff to Buy More Time, Become More Productive, and Build Your Dream Business Virtual Assistant Assistant: The Ultimate Guide to Finding, Hiring, and Working with Virtual Assistants: Expanded and Updated for 2016 Take a Leap of Faith And Start a Virtual Assistant Business: Your Guide to Establishing a Successful Business As a Virtual Assistant Exodus to the Virtual World: How Online Fun Is Changing Reality DIY Wood Pallet Projects: 33 Amazingly Creative Upcycling Projects & Ideas for Decorating, Refreshing and Personalizing Your Space! (DIY Household Hacks, DIY Projects, Woodworking) DIY Wood Pallet Projects: 23 Creative Wood Pallet Projects That Are Easy To Make And Sell! (DIY Household Hacks, DIY Projects, Woodworking) Racial Unity of the Ancient Egyptians and Nubians Messianic Judaism is Not Christianity: A Loving Call to Unity In Search of Christian Unity: A History of the Restoration Movement Common Experience and the Accommodation of Differences: The Foundation for Unity in Rowan Williams' View of the Church Theosis, Sino-Christian Theology and the Second Chinese Enlightenment: Heaven and Humanity in Unity (Christianities of the World) Learning C# Programming with Unity 3D Unity 5 from Zero to Proficiency (Foundations): A step-by-step guide to creating your first game Unity 5.x Cookbook True Unity: Willing Communication Between Horse & Human Roadmap to Reconciliation: Moving Communities into Unity, Wholeness and Justice Yantra: The Tantric Symbol of Cosmic Unity

[Dmca](#)