



COMPUTERCRAFT: PROGRAMMING LUA IN MINECRAFT

MATTHEW MONK &
SIMON MONK

ComputerCraft Lua Programming In Minecraft

Adam Furgang

ComputerCraft Lua Programming In Minecraft:

ComputerCraft Matthew Monk, Simon Monk, 2013-01-28 This full color book will teach you how to program using the ComputerCraft mod in Minecraft and the Lua programming language. It includes a number of interesting projects including a Twitter monitor, remote control turtle and Morse code sender

Getting to Know Minecraft Adam Furgang, 2018-12-15

Minecraft is one of the most popular video games of all time but even avid Minecraft builders might not know the history, structure and hidden advantages to playing their favorite game. One little known fact about Minecraft is that it can be used to teach beginners how to code all within the game's world. In this edifying resource, readers will get hooked on getting behind the scenes access to Minecraft with tips from the experts as well as advice on how to create masterpieces with the game's building blocks

Coding with Minecraft Al Sweigart, 2018-05-29 A hands on introduction to coding that teaches you how to program bots to do cool things in the game you love. Minecraft. This book takes the robotic turtle method and extends it to the 3D interactive world of Minecraft. You've mined for diamonds, crafted dozens of tools, and built all sorts of structures, but what if you could program robots to do all of that for you in a fraction of the time? In *Coding with Minecraft*, you'll create a virtual robot army with Lua, a programming language used by professional game developers. Step by step coding projects will show you how to write programs that automatically dig mines, collect materials, craft items, and build anything that you can imagine. Along the way, you'll explore key computer science concepts like data types, functions, variables, and more. Learn how to program robots that make smart decisions with flow control. Reuse code so that your robots can farm any crop you want, including wheat, sugar cane, and even cacti. Program a factory that generates infinite building supplies. Design an algorithm for creating walls and buildings of any size. Code yourself a pickaxe swinging robotic lumberjack. Create a robot that digs mine shafts with stairs so you can explore safely. Bonus activities in each chapter will help you take your coding skills to the next level. By the end of the book, you'll understand how powerful coding can be and have plenty of robots at your beck and call

Minecraft Mastery: Build Your Own Redstone Contraptions and Mods Matthew Monk, Simon Monk, 2014-08-15

SUPERCHARGE YOUR MINECRAFT REDSTONE SKILLS Enhance your Minecraft world by creating innovative devices and elements with Redstone. *Minecraft Mastery: Build Your Own Redstone Contraptions and Mods* reveals how to maximize the capabilities of this powerful, versatile red ore. Learn how to create logic gates, advanced mechanisms, and much more. You'll also find out how to host a Minecraft server, use the qCraft and ComputerCraft mods, and develop your own custom mods. Exponentially expand the dimensions of your world with help from this hands-on guide—the only limit is your imagination. Use basic Redstone items like levers, buttons, and lamps, and make an automated door. Create Redstone logic gates, clocks, and T flip flops. Build advanced contraptions, block swappers, concealed doors, a functional seven-segment display, and more. Use miscellaneous Redstone items such as rails, minecarts, liquids, hoppers, and command blocks. Host a Minecraft server to open your world up to other players. Edit Minecraft worlds offline using MCEdit. Interact with Minecraft using Python on a

Raspberry Pi Create quantum physics based contraptions and special effects with qCraft Build ComputerCraft blocks and turtles and program them in Lua Set up a Minecraft modding development environment using Forge and Eclipse Make your own block based mods and item mods All code and example worlds from the book are available for download

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