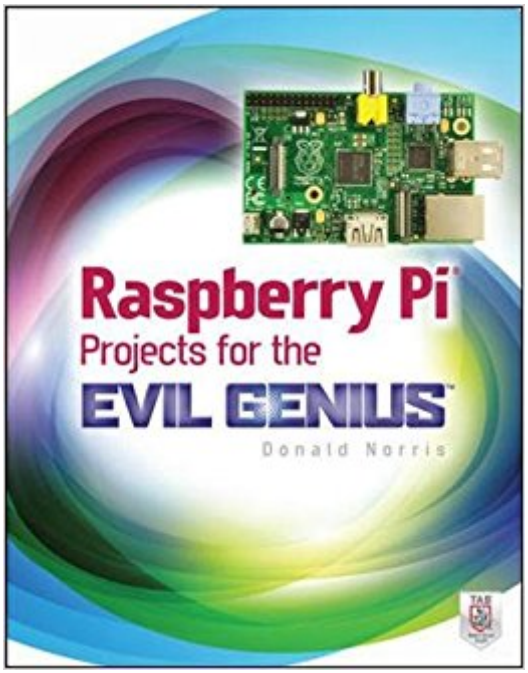
Raspberry Pi Projects For The Evil Genius



Synopsis

A dozen fiendishly fun projects for the Raspberry Pi! This wickedly inventive guide shows you how to create all kinds of entertaining and practical projects with Raspberry Pi operating system and programming environment. In Raspberry Pi Projects for the Evil Genius, youâ ™ll learn how to build a Bluetooth-controlled robot, a weather station, home automation and security controllers, a universal remote, and even a minimalist website. Youâ ™ll also find out how to establish communication between Android devices and the RasPi. Each fun, inexpensive Evil Genius project includes a detailed list of materials, sources for parts, schematics, and lots of clear, well-illustrated instructions for easy assembly. The larger workbook-style layout makes following the step-by-step instructions a breeze. Build these and other devious devices: LED blinker MP3 player Camera controller Bluetooth robot Earthquake detector Home automation controller Weather station Home security controller RFID door latch Remote power controller Radon detector Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

Book Information

Series: Evil Genius

Paperback: 224 pages

Publisher: McGraw-Hill Education TAB; 1 edition (September 4, 2013)

Language: English

ISBN-10: 0071821589

ISBN-13: 978-0071821582

Product Dimensions: 8.5 x 0.5 x 10.8 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 110 customer reviews

Best Sellers Rank: #146,709 in Books (See Top 100 in Books) #16 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors #42 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics #60 inÂ Books > Computers & Technology > Hardware & DIY > Single Board Computers

Customer Reviews

Donald Norris is an avid electronics hobbyist and maker. He is also an electronics engineer with an advanced degree in Production Management. Don is retired from civilian government service with

the US Navy, where he specialized in acoustics and digital signal processing. He also has more than a dozen yearsâ ™ experience as a professional software developer using C, C#, C++, Python, and Java, as well as five yearsâ ™ experience as a certified IT security consultant.

I teach an Introduction to Computer Science class at a University. The college used some grant money to buy a bunch of Pi kits (Canakit Ultimate Starter Kit, Pi 2), and they bought a load of these books for the students to use. My main issue with this book is in layout and clarity. Not one of the projects has a clearly identified part list a user needs to purchase to complete the project. At the beginning of every chapter, a complete list of parts and part numbers should be listed. Instead you figure out the parts as you read through the chapter. The GPS project looked promising, but the bullet list near the beginning is a bunch of features that the GPS receiver has, which the author then goes on to say that many of those features will not even be used. Huge waste of space and clarity.I appreciate that the author takes the time to indicate an electrical diagram for many of these projects, but that is not worth much of anything for the Pi. The user needs to have a clear indication of how to wire up the components on the project board to the GPIO pins. And to top it off the book is using an old Pi breakout (Pi Cobbler), which is even less understandable when you are using a Pi 2 kit which has the GPIO interface board.For example, in the GPS chapter, the only diagram the user has on how to wire everything up is a black and white small image, where the jumper wires cross over each other making it difficult to see exactly where each is going. Granted the author writes in text to connect TX to RX and so forth, but it would have been very easy and clear to simply draw the layout. Figure 5-15 that diagrams all this is still confusing as some wire is running off into who knows where in the image, and is never explained.Overall this is not a well constructed guide for a beginning user in a learning environment, which maybe it is not intended to be.

little out of date.and will need to order a lot of stuff. Pictures are little small and hard to see what your going for.

Not everything in this book is applicable for the current models - some of the stuff they discuss in the book is built into modern pi models.

I got this to do projects with my 17 year old son and teach him how to code with Python in a fun way. It does exactly that.

I was waiting this book and when it came I was not dissapointed about it’s content, it’s basically a collection of "cooking recepies", step by step and very easy.what I dislike was the time by it was released because I buyed many other books before it and all the content was almost previously covered by them. I think the next time they plan to release a book, speed it up!

This is a great book with a lot of fun projects you can do with the Pi. Not all of them are simple and many require extra purchases in order to complete, but altogether a nice work from the author. I plan to do a few of them with my son soon.

good projects...a bit high level for my 9th grade kid.

Interesting and informative. Unfortunately there is no parts lists for projects, so you can get half way through development and find that you need a component.