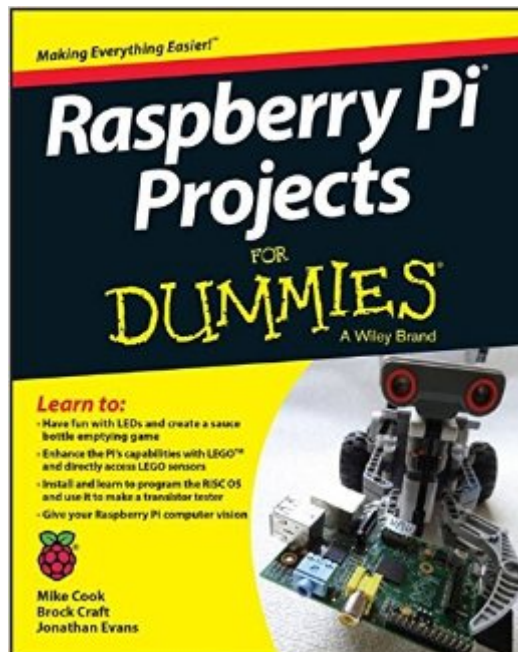The book was found

Raspberry Pi Projects For Dummies

Synopsis

Join the Raspberry revolution with these fun and easy Pi projects The Raspberry Pi has opened up a whole new world of innovation for everyone from hardware hackers and programmers to students, hobbyists, engineers, and beyond. Featuring a variety of hands-on projects, this easy-to-understand guide walks you through every step of the design process and will have you creating like a Raspberry Pi pro in no time. Youâ ™ll learn how to prepare your workspace, assemble the necessary tools, work with test equipment, and find your way around the Raspberry Pi before moving on to a series of fun, lively projects that brings some power to your plain olâ ™ Pi. Introduces Raspberry Pi basics and gives you a solid understanding of all the essentials youâ ™ll need to take on your first project Includes an array of fun and useful projects that show you how to do everything from creating a magic light wand to enhancing your designs with Lego sensors, installing and writing games for the RISC OS, building a transistor tester, and more Provides an easy, hands-on approach to learning more about electronics, programming, and interaction design for Makers and innovators of all ages Bring the power of Pi to your next cool creation with Raspberry Pi Projects For Dummies!

Book Information

Paperback: 504 pages

Publisher: For Dummies; 1 edition (July 13, 2015)

Language: English

ISBN-10: 1118766695

ISBN-13: 978-1118766699

Product Dimensions: 7.4 x 1 x 9.3 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

Best Sellers Rank: #81,336 in Books (See Top 100 in Books)   #15 inÂ Books > Computers & Technology > Software > Accounting   #28 inÂ Books > Computers & Technology > Hardware & DIY > Personal Computers > PCs   #44 inÂ Books > Computers & Technology > Hardware & DIY > Design & Architecture

Customer Reviews

The first four chapters of the book cover the selection of a suitable Raspberry Pi, its essential accessories, setting it up and the tools you will need to build the projects. This is ideal if you have never used one before nor constructed a computing hardware project. The first project is

comparatively gentle involving a tilt switch in a bottle and some interesting screen graphics. From then on the projects get increasingly more involved.This book covers an enormous range of topics including: tilt switches, simple LEDS, Neopixel RBG LEDs, a matrix of switches, analogue to digital conversion, reading temperatures with a TMP36 and a DS18B20, using a MCP3008 A-to-D SPI chip, logging data to the Cloud, dynamic web pages, using webcams and the Pi camera module, computer vision with motion detection, image recognition, colour detection, triggering sounds from visual sensing, interfacing with LEGO MINDSTORMS, IR transmitters, RISC OS coding including GPIO, BBC BASIC and building a transistor tester .Several programming languages are used in the example programs: Python, C, BBC BASIC and assembler.Iâ ™ve been using Arduinos for about four years and the Raspberry Pi since it first appeared three and a half years ago. Iâ ™ve got quite a library of Raspberry Pi texts and have designed and built several projects of my own. So far Iâ ™ve not used the SPI bus nor connected WS2812b LED devices to a Pi. Iâ ™ve only programmed the Pi using Python and accessed the GPIO pins with Ben Crostonâ ™s GPIO library. To check out this new book I thought I would follow a couple of the projects to fill in some of the gaps in my knowledge.

Raspberry Pi 3: 2016 Raspberry Pi 3 User Guide (Raspberry Pi, Raspberry Pi 2, Raspberry Pi Programming, Raspberry Pi Projects) Raspberry Pi: Guide For Simple Python & Projects Programming (Raspberry Pi Books, raspberry pi projects, raspberry pi for dummies) Raspberry Pi 3: A Simple Guide to Help You Get the Most Out of Your Raspberry Pi 3 (Raspberry Pi, Python, Raspberry Pi 2, Perl, Programming, Raspberry Pi 3, Ruby) Raspberry Pi: 101 Beginners Guide: The Definitive Step by Step guide for what you need to know to get started (Raspberry Pi, Raspberry, Single Board Computers, ... Pi Programming, Raspberry Pi Projects) Raspberry Pi 2: 101 Beginners Guide: The Definitive Step by Step guide for what you need to know to get started (Raspberry Pi 2, Raspberry, Single Board ... Pi Programming, Raspberry Pi Projects) Raspberry Pi 3: Get Started With Raspberry Pi 3 - A Simple Guide To Understanding And Programming Raspberry Pi 3 (Raspberry Pi 3 User Guide, Python Programming, Mathematica Programming) Programming Raspberry Pi 3: Getting Started With Python (Programming Raspberry Pi 3, Raspberry Pi 3 User Guide, Python Programming, Raspberry Pi 3 with Python Programming) Raspberry Pi 2: Raspberry Pi 2 Programming Made Easy (Raspberry Pi, Android Programming, Programming, Linux, Unix, C Programming, C+ Programming) Raspberry Pi 3: Complete Beginners Guide with Over 20 Projects for the Pocket-Sized Computer: Total Beginners Guide to Exploring Linux and Projects for the Raspberry Pi 3 Raspberry Pi in Easy Steps: Raspberry Pi Guide on Python & Projects Programming

DIY Woodworking Projects: 20 Easy Woodworking Projects For Beginners: (Woodworking Projects to Make with Your Family, Making Fun and Creative Projects, ... projects, wooden toy plans, wooden ships) Home Automation with the Raspberry Pi: Build Home Automation Systems Using The Power of The Raspberry Pi Raspberry Pi 3: Let's Start Here: Raspberry Pi 3 Effortless Kodi (XBMC) Installation with Raspberry Pi 2 and 3: The Only Raspberry Pi 2 / 3 Kodi (XBMC) Step-by-Step Installation Guide You Will Ever Need RASPBERRY PI: Raspberry Pi 2 - The Ultimate Beginner's Guide! Raspberry Pi Projects For Dummies Getting Started with Raspberry Pi (Make: Projects) Raspberry Pi Electronics Projects for the Evil Genius (Tab) Make: Bluetooth: Bluetooth LE Projects with Arduino, Raspberry Pi, and Smartphones 20 Projects For Your Raspberry Pi 0

[Dmca](#)