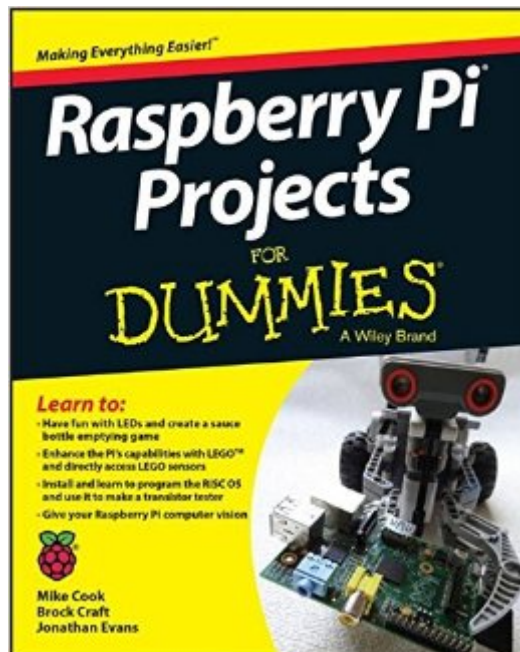


The book was found

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 RGB 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. I've been using Arduinos for about four years and the Raspberry Pi since it first appeared three and a half years ago. I've got quite a library of Raspberry Pi texts and have designed and built several projects of my own. So far I've not used the SPI bus nor connected WS2812b LED devices to a Pi. I've only programmed the Pi using Python and accessed the GPIO pins with Ben Croston'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.

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

SQL: Beginner's Guide for Coding SQL (database programming, computer programming, how to program, sql for dummies, java, mysql, The Oracle, python, PHP, ... (HTML, Programming, Coding, CSS Book 7) iPad and iPhone For Musicians For Dummies Hacking: Ultimate Hacking for Beginners, How to Hack (Hacking, How to Hack, Hacking for Dummies, Computer Hacking) MacBook For Dummies (For Dummies (Computers)) Hacking: How to Hack Computers, Basic Security and Penetration Testing (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, penetration testing, basic security, arduino, python) 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 The Maker's Guide to the Zombie Apocalypse: Defend Your Base with Simple Circuits, Arduino, and Raspberry Pi HACKING: Learn Hacking FAST! Ultimate Course Book For Beginners (computer hacking, programming languages, hacking for dummies) YouTube Channels For Dummies Crochet: Crash Course - The Ultimate Beginner's Course to Learning How to Crochet In Under 12 Hours - Including Quick Projects & Detailed Images BeagleBone For Dummies PIC32 Microcontrollers and the Digilent Chipkit: Introductory to Advanced Projects Arduino LED Cube Projects iPad For Dummies Computers For Seniors For Dummies Raspberry Pi Projects For Dummies Python Playground:

Geeky Projects for the Curious Programmer Make: Bluetooth: Bluetooth LE Projects with Arduino, Raspberry Pi, and Smartphones Home Automation with the Raspberry Pi: Build Home Automation Systems Using The Power of The Raspberry Pi

[Dmca](#)