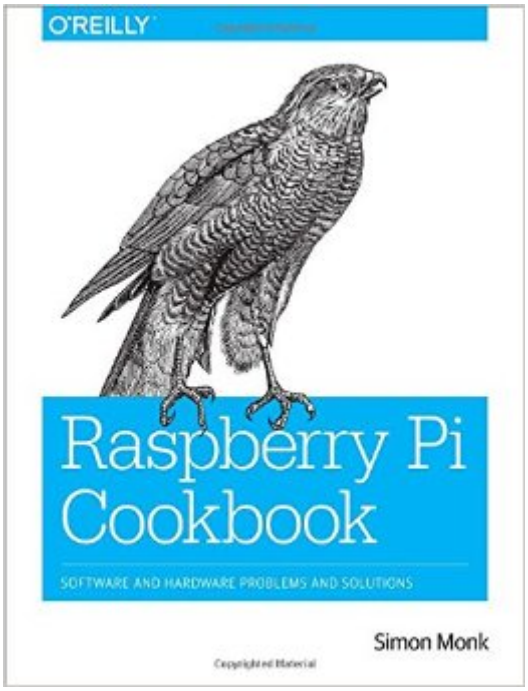
Raspberry Pi Cookbook



Synopsis

The world of Raspberry Pi is evolving quickly, with many new interface boards and software libraries becoming available all the time. In this cookbook, prolific hacker and author Simon Monk provides more than 200 practical recipes for running this tiny low-cost computer with Linux, programming it with Python, and hooking up sensors, motors, and other hardwareâ ”including Arduino. Youâ ™ll also learn basic principles to help you use new technologies with Raspberry Pi as its ecosystem develops. Python and other code examples from the book are available on GitHub. This cookbook is ideal for programmers and hobbyists familiar with the Pi through resources such as Getting Started with Raspberry Pi (Oâ ™Reilly).Set up and manage your Raspberry Pi Connect the Pi to a network Work with its Linux-based operating system Use the Piâ ™s ready-made software Program Raspberry Pi with Python Control hardware through the GPIO connector Use Raspberry Pi to run different types of motors Work with switches, keypads, and other digital inputs Hook up sensors for taking various measurements Attach different displays, such as an LED matrix Create dynamic projects with Raspberry Pi and Arduino Make sure to check out 10 of the over 60 video recipes for this book at: http://razzpisampler.oreilly.com/ You can purchase all recipes at:

Book Information

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Customer Reviews

I’ll admit it now, I’m mystified by Raspberry Pi, Python, Sudo and obscure -/letter combinations, but this book provided what I was looking for...Q. "How do I do something?"A. "Like this..."I now have a store of recipes chat I can use to cook up a Pi-based feast and, most importantly, I can follow the

method involved as everything is well explained.As for the other review, there may be the odd typo in the print edition but I haven't spotted them (or if I have, then they weren't significant enough to register as a problem), so I suspect that there may be a problem with the e-book version.Maybe it's an age-related thing, but I prefer print anyway...Well written and well worth getting, in my opinion...

Simon Monk's Raspberry Pi Cookbook is a great source of information on this interesting device. The Raspberryberry Pi is an extremely spare, economical but powerful Linux-based computing device that you can use as a point of departure for many projects, particularly in the vast, quick-moving field of robotics. Of special interest to me is Chapter Ten, Motors. Simon shows how the Raspberry Pi can be used to control servomotors and steppers, to make your robot project work. Lots of other projects as well. I recommend the book highly.

Despite the other RPi guidebooks available, I specifically waited for Raspberry Pi Cookbook to become available. As someone who learned to code with an Arduino, I found O'Reilly's Arduino Cookbook a completely necessary aid for a coding noob like myself. My hope was that Simon Monk's book would match the quality of Arduino Cookbook.This book is written in a clear language and answers any and all questions you may have about getting started, programming in Python, or interfacing your RPi with other doodads. For that, I like it.I gave this book 4 stars because it did not have the same depth and initiative as the Arduino Cookbook. Several bits of the book have paragraphs that were robotically copied and pasted, and recipes so not go any further than answering the question in as minimal of a way. Though I have my own RPi projects planned, I was hoping this book would inspire some new ideas, which it has not.Bottom line, I recommend this book for someone who is foreign to RPi or just looking for a quick reference. Otherwise, I'd further research other RPi books or work through the online community.

Reasonable, but for the original RPi versions ONLY - doesn't specifically cover the B+ nor anything of the RPi 2. If you are only looking for a intro type book, then this is ok, however you mostly likely would want/need to purchase something covering the later models.

This is the one book to get to start seriously using your pi.I've gone through a few others. They're full of fluff.I've got bookmarks on pages for network connections, raspicam setup, serial interface. Every time I configure a new SD card I refer to those pages.Also great primer on Python programming, although I didn't look to closely at that, being a software developer already.Nice

section on Linux, too. Could have gone slightly deeper, but that's just me. There's enough here to show you how to do a lot.A section on the GPIO is robust also. More on that later, as I haven't looked at that part too closely yet.

I would recommend this book to anyone interested in learning how to make interesting electronics projects utilizing the Raspberry Pi computer. This book is very comprehensive and chock full of small project ideas for using the general purpose input/output pin connections and includes useful Python programming language code examples for each project to get you going fast. This book explains, in simple to follow terms and steps, the different ways you can connect/control sensors, displays, LED's, switches, motors and other components to the Raspberry Pi. The Raspberry Pi Cookbook also describes how to utilize third party hardware to expand and facilitate the usefulness of the Raspberry Pi. This book is a great introduction to learning how to use UNIX/LINUX based operating systems as well as learning how to program computers. All of the books I have read by Simon Monk are very well written (in my opinion), but this one is the most comprehensive and complete of those that I have enjoyed and benefited from reading. Thanks Simon.

This is a great book for anyone looking to get more out of their Raspberry Pi. The sections of the book are clear and concise. You can read it straight through and develop your computing skills step by step or you can skip from section to section to find answers to specific questions you may have.There is a great introduction to Python included and lots of projects that show you the wide variety of things that the Pi can do. Whether you like to surf the net, have your own media center, or do physical computing, this book has something for you. I use my Pi to program my Arduino and there is a great section specifically geared to that topic.This book is great for beginners and those ready to take their skills to the next level. Thanks, Simon!

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: Guide For Simple Python & Projects Programming (Raspberry Pi Books, raspberry pi projects, raspberry pi for dummies) 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) Home Automation with the Raspberry Pi: Build Home Automation Systems Using The Power of The Raspberry Pi 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 3: Let's Start Here: Raspberry Pi 3 Raspberry Pi in Easy Steps: Raspberry Pi Guide on Python & Projects Programming 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 Cookbook Crock Pot: Everyday Crock Pot and Slow Cooker Recipes for Beginners(Slow Cooker, Slow Cooker Cookbook, Slow Cooker, Slow Cooker Cookbook, Crockpot Cookbook, ... Low Carb) (Cookbook delicious recipes 1) Make: Sensors: A Hands-On Primer for Monitoring the Real World with Arduino and Raspberry Pi PiBot: Build Your Own Raspberry Pi Powered Robot 2.0 - Revised and Updated Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux Raspberry Pi User Guide