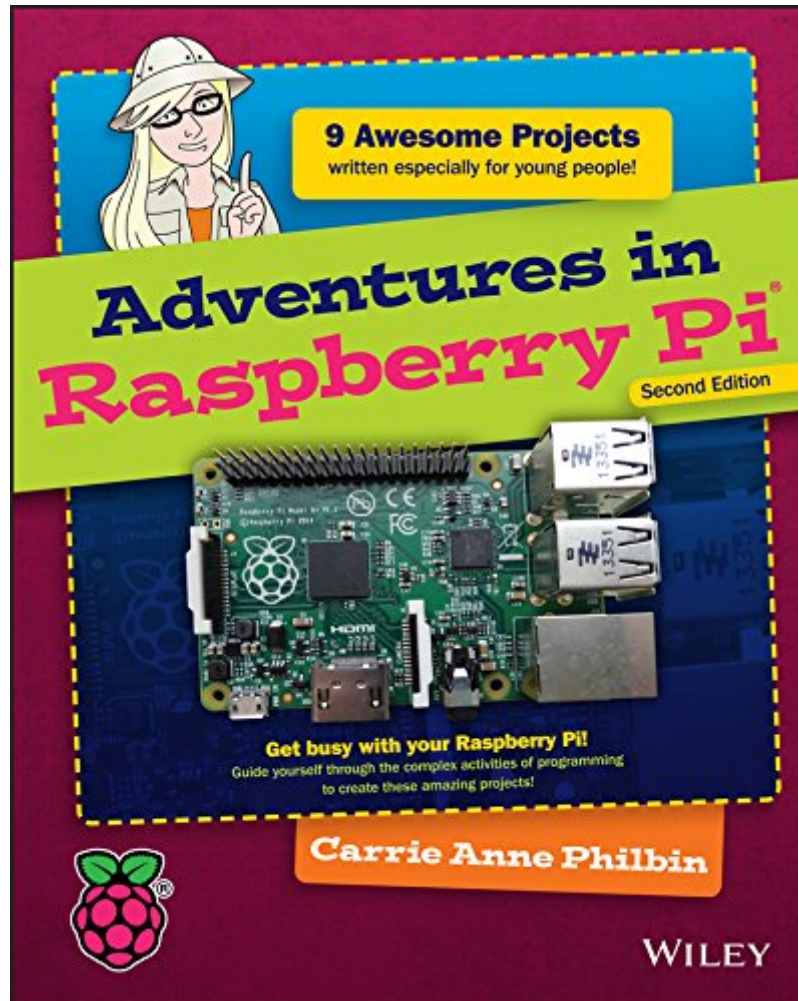# Adventures In Raspberry Pi (Adventures In ...)

Synopsis

Start programming quickly with this super-fun guide to Raspberry Pi Adventures in Raspberry Pi, 2nd Edition includes 9 cool projects that show you how to set up and start developing on your Raspberry Pi. Updated for the release of the Rev 3 board, this second edition covers all the latest features and tells you everything you need to know. Written specifically for 11-15 year-olds, this book uses the wildly successful, Raspberry Pi to explain the fundamentals of computing. You'll have a blast learning basic programming and system administration skills, beginning with the very basics of how to plug in the board and turn it on. Each project includes an instructional video so you can jump right in and start going through the lessons on your own. This hands-on book gets you up and running fast, with fun projects that let you explore. Learn how to "talk to" your Raspberry Pi Create games and stories with Scratch Program with Turtle Graphics and Python Code music and create a Raspberry Pi jukebox If you want to get started programming today, Adventures in Raspberry Pi is the ultimate hands-on guide.

Book Information

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Customer Reviews

If you are looking for a book to introduce the Rasbperry Pi to a youngster, this deserves serious

consideration. The first two "adventures" (they aren't chapters...they are "adventures!") take the reader on a tour of the Raspberry Pi, including the differences between the B and B+ versions. Differences between the rev 1 and 2 are covered elsewhere in the text where they would make a difference in the project(s) being discussedThere are seven further exercises (sorry, "adventures") that are walked through. Two of these are basic introductions to Scratch and Python, with a third revolving around using Scratch Turtle Graphics. These are basic introductions, so when you get right down to it, there are four actual projects that are discussed in this book. In other words, if your child already has a basic knowledge of the Pi, Scratch, or Python then most of the book will be something he or she has already been introduced to.Of the remaining "adventures," one is programming in Minecraft Pi (a way to move blocks around in code instead of manually through the game), and one is using Sonic Pi to create music. The last two get into hardware and wiring, one of which is exploring the use of the GPIO pins and making the famous Marshmallow Button (which then integrates into the programming concepts introduced earlier in the book), and the final "adventure" is making a jukebox, including a GPIO interface.I think the book itself follows a logical flow and is approachable for motivated readers ten and up. Ideas build on each other that, I hope, will spark some inspiration in the reader.

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