Raspberry Pi La Guida

The go-to guide to getting started with the BBC micro:bit and exploring all of its amazing capabilities. The BBC micro:bit is a pocket-sized electronic development platform built with education in mind. It was developed by the BBC in partnership with major tech companies, communities, and educational organizations to provide kids with a fun, easy, inexpensive way to develop their digital skills. With it, kids (and grownups) can learn basic programming and coding while having fun making virtual pets, developing games, and a whole lot more. Written by internationally bestselling tech author Gareth Halfacree and endorsed by the Micro:bit Foundation, The Official BBC micro:bit User Guide contains what you need to know to get up and running fast with the BBC micro:bit. Learn everything from taking your first steps with the BBC micro:bit to writing your own programs. You'll also learn how to expand its capabilities with add-ons through easy-to-follow, step-by-step instructions. Set up your BBC micro:bit and develop your digital skills Write code in JavaScript Blocks, JavaScript, and Python Discover the BBC micro:bit's built-in sensors Connect the BBC micro:bit to a Raspberry Pi to extend its capabilities Build your own circuits and create hardware The Official BBC micro:bit User Guide is your go-to source for learning all the secrets of the BBC micro:bit. Whether you're just beginning or have some experience, this book allows you to dive right in and experience everything the BBC micro:bit has to offer.

Learn the Raspberry Pi 3 from the experts! Raspberry Pi User Guide, 4th Edition is the "unofficial official" guide to everything Raspberry Pi 3. Written by the Pi's creator and a leading Pi guru, this book goes straight to the source to bring you the ultimate Raspberry Pi 3 manual. This new fourth edition has been updated to cover the Raspberry Pi 3 board and software, with detailed discussion on its wide array of configurations, languages, and applications. You'll learn how to take full advantage of the mighty Pi's full capabilities, and then expand those capabilities even more with add-on technologies. You'll write productivity and multimedia programs, and learn flexible programming languages that allow you to shape your Raspberry Pi into whatever you want it to be. If you're ready to jump right in, this book gets you started with clear, step-by-step instruction from software installation to system customization. The Raspberry Pi's tremendous popularity has spawned an entire industry of add-ons, parts, hacks, ideas, and inventions. The movement is growing, and pushing the boundaries of possibility along with it—are you ready to be a part of it? This book is your ideal companion for claiming your piece of the Pi. Get all set up with software, and connect to other devices Understand Linux System Admin nomenclature and conventions Write your own programs using Python and Scratch Extend the Pi's capabilities with add-ons like Wi-Fi dongles, a touch screen, and more The credit-card sized Raspberry Pi has become a global phenomenon. Created by the Raspberry Pi Foundation to get kids interested in programming, this tiny computer kick-started a movement of tinkerers, thinkers, experimenters, and inventors. Where will your Raspberry Pi 3 take you? The Raspberry Pi User Guide, 3rd Edition is your ultimate roadmap to discovery.

More than 125 gut-healthy recipes, plus advice and strategies to relieve inflammation-induced symptoms such as fatigue, weight gain, mood swings, and chronic pain

Il volume offre un percorso di progetti per esplorare le infinite possibilità di Raspberry Pi, Single Board Computer più famoso al mondo

Make Your Own PCBs with EAGLE: From Schematic Designs to Finished Boards

nuova edizione aggiornata

Raspberry Pi Manual for Beginners Step-by-Step Guide to the first Raspberry Pi Project

The Writer's Guide to Training Your Dragon

Help Yourself

Raspberry PI

A Practical Guide to the New Industrial Revolution

Gli appassionati di tutto il mondo usano il Rasperry Pi per vari progetti come Media center o per realizzare una console per giochi retrò così come la riproduzione multimediale di video HD. Oppure si può utilizzare il dispositivo come un server Web, un server di stampa, una telecamera di stop motion, una fotocamera time-lapse digitale, un server di visualizzazione foto, un controller NAS, un computer per la domotica. Le possibilità sono infinite! In questo libro verrà spiegato passo per passo cosa è Raspberry Pi, quali sono i suoi accessori e le sue caratteristiche, come installare il sistema operativo Raspbian, come programmare in Python ed in Node-RED per realizzare progetti semplici e complessi. Vedremo come far interagire Raspberry Pi con il mondo esterno con l'uso di sensori, relè, altre schede come Arduino, videocamere, e display. Come creare applicazioni IoT che si aggiornano in tempo reale e consultabili da remoto tramite connessione ad internet. E molto altro ancora.

Design custom printed circuit boards with EAGLE Learn how to make double-sided professional-quality PCBs from the ground up using EAGLE--the powerful, flexible design software. In this step-by-step guide, electronics guru Simon Monk leads you through the process of designing a schematic, transforming it into a PCB layout, and submitting standard Gerber files to a manufacturing service to create your finished board. Filled with detailed illustrations, photos, and screenshots, Make Your Own PCBs with EAGLE features downloadable example projects so you can get started right away. Install EAGLE Light Edition and discover the views and screens that make up an EAGLE project Create the schematic and board files for a simple LED project Find the right components and libraries for your projects Work with the Schematic Editor Lay out PCBs with through-hole components and with surface mount technology Build a sound level meter with a small amplifier and ten LEDs Generate Gerber design files to submit for fabrication Solder through-hole PCBs and SMD boards Design a plug-in Arduino shield Build a Raspberry Pi expansion board Automate repetitive tasks using scripts and User Language Programs Create your own libraries and parts and modify existing components

What can you do with the Raspberry Pi, the affordable computer the size of a credit card? All sorts of things! If you're learning how to program--or looking to build new electronic projects, this hands-on guide will show you just how valuable this flexible little platform can be. Updated to include coverage of the Raspberry Pi Model B+, Getting Started with Raspberry Pi takes you step-by-step through many fun and educational possibilities. Take advantage of several preloaded programming languages. Use the Raspberry Pi with Arduino. Create Internet-connected projects. Play with multimedia. With Raspberry Pi, you can do all of this and more. In Getting Started with Raspberry Pi, you'll: Get acquainted with hardware features on the Pi's board Learn enough Linux to move around the operating system Start programming in Python and Scratch Draw graphics, play sounds, and handle mouse events with Pygame Use the Pi's input and output pins to do some hardware hacking Discover how Arduino and the Raspberry Pi can work together Create your own Pi-based web server with Python Work with the Raspberry Pi Camera Module and USB webcams

TV Geek recounts the fascinating stories of cult-classic series, reveals the nerdy Easter eggs hidden in TV show sets, and demonstrates the awe-inspiring power of fandom, which has even been known to raise TV series from the dead. Subjects include: - How the live-action Star Wars TV show fell apart - The logistics and history of the crossover episode - The underrated geeky TV shows of the 1980s - The hidden details of Game of Thrones - Five Scandinavian crime thrillers that became binge hits - The Walking Dead, and the power of fandom TV series now have the same budgets, stars, audience figures and cultural impact as Hollywood movies, and TV Geek provides an insightful look at the fascinating history, facts and anecdotes behind the greatest (and not-so-great) shows. This is the ultimate, nerdy television guide for TV geeks everywhere.

How to Use Your New Computer

Raspberry Pi. La guida

Raspberry Pi A+, B+ et 2

Guide Etape Par Etape Pour Maitriser Raspberry Pi 3 Hardware Et Software

Basi di Linux per hacker

Guida passo-passo al nuovo Raspberry Pi 4 con progetti innovativi

Make the most out of the world's first truly compact computer It's the size of a credit card, it can be charged like a smartphone, it runs on open-source Linux, and it holds the promise of bringing programming and playing to millions at low cost. And now you can learn how to use this amazing computer from its co-creator, Eben Upton, in Raspberry Pi User Guide. Cowritten with Gareth Halfacree, this guide gets you up and running on Raspberry Pi, whether you're an educator, hacker, hobbyist, or kid. Learn how to connect your Pi to other hardware, install software, write basic programs, and set it up to run robots, multimedia centers, and more. Gets you up and running on Raspberry Pi, a high-tech computer the size of a credit card Helps educators teach students how to program Covers connecting Raspberry Pi to other hardware, such as monitors and keyboards, how to install software, and how to configure Raspberry Pi Shows you how to set up Raspberry Pi as a simple productivity computer, write basic programs in Python, connect to servos and sensors, and drive a robot or multimedia center Adults, kids, and devoted hardware hackers, now that you've got a Raspberry Pi, get the very most out of it with Raspberry Pi User Guide.

Cet ouvrage est un guide d'initiation très complet pour la prise en main d'un Raspberry Pi. Après avoir mis en place les périphériques indispensables que sont clavier, souris et écran, l'interface graphique est étudiée en premier lieu pour ne pas dépayser les utilisateurs de Windows ou de Mac OS. Puis une large place est faite au mode «ligne de commande» plus puissant et surtout plus utile dans le cas du Raspberry Pi. Le réseau, qu'il soit filaire ou WiFi, est abordé ensuite ainsi que les diverses possibilités de configuration offertes par le Raspberry Pi. Le lecteur découvre ensuite comment réaliser un serveur Internet pour piloter ses interfaces mais aussi pour héberger son site ou son blog. Puis vient le sujet réputé à tort comme difficile de l'utilisation du Raspberry Pi en SSH c'est-à-dire à distance depuis un PC ou un Mac, sans avoir besoin de clavier ni d'écran. Une initiation au langage Python est ensuite proposée car c'est LE langage de programmation par excellence du Raspberry Pi. Point fort du Raspberry Pi grâce à son connecteur GPIO, les entrées/sorties peuvent ensuite être largement étudiées avec la connexion d'interrupteurs, de capteurs, de LED, d'afficheurs, de servos de radiocommande, de moteurs, etc. Pour chacun d'entre eux, schémas de câblage et exemples de programmes commentés sont bien évidemment fournis. Cette nouvelle édition, entièrement refondue, présente toutes les versions actuelles de Raspberry Pi, depuis les premiers Raspberry Pi A et B, encore en circulation aujourd'hui, jusqu'aux nouveaux modèles que sont les A+, B+ et bien sûr le Raspberry Pi 2.

Un maker es un artesano digital, un entusiasta que utiliza nuevas herramientas para transformar sus propias ideas en proyectos concretos. Este libro recoge la experiencia de makers expertos que comparten sus conocimientos para ayudar a otros makers a llevar a cabo el maravilloso viaje hacia el (re)descubrimiento del construir. El movimiento de los makers, las impresoras 3D y Arduino han suscitado un nuevo interés por la electrónica. Cada vez más entusiastas, curiosos e innovadores se acercan a nuevas y potentes tecnologías para crear prototipos y circuitos complejos. Sin embargo, para realizar proyectos realmente completos, no basta con saber programar Arduino, sino que se necesitan también conocimientos de electrónica. Este libro propone al lector una serie de ideas teóricas y prácticas para entender la fascinante materia de la electrónica y desarrollar de forma autónoma sus propios proyectos. La guía incluye las secciones teóricas necesarias para explicar y entender los experimentos, así como numerosos ejercicios y aplicaciones prácticas. ¿Qué componentes podemos utilizar además de ledes y botones? ¿Cómo funciona un transistor y para qué sirve? ¿Cómo se amplifica una señal? ¿Cómo se alimenta un prototipo? ¡Todo cuánto se necesita para llegar a ser un verdadero mago de la electrónica para makers! Entre los temas tratados - Los componentes electrónicos: resistores, ledes, servomotores, micrófonos... - Construir circuitos con placas de pruebas y placas perforadas. - Diodos, transistores y circuitos integrados. - Trabajar con señales: filtros, moduladores, amplificadores... - Electrónica digital: generadores de reloj, biestables, convertidores... - Microcontroladores: chips AVR y ATtiny85. - Del prototipo al producto: circuitos impresos, gEDA, Fritzing.

Piccolo ed economico, Raspberry Pi è il sogno di qualunque appassionato di informatica e di robotica: basato su software open source, questo microcomputer si alimenta come uno smartphone, è completamente programmabile e ha un costo alla portata di tutti. Questo manuale accompagna alla scoperta e all'utilizzo di Raspberry Pi in applicazioni didattiche e hobbistiche prendendo come riferimento sia la prima generazione di Raspberry Pi nelle versioni Model A+ e Model B+, sia il più recente Raspberry Pi 2 Model B. Da qui si parte per installare e configurare il sistema operativo, scoprire i software per la progettazione e lo sviluppo e lavorare con l'imprescindibile porta GPIO. Il testo è arricchito da esempi di progetti completi e si conclude con una parte dedicata all'uso di Raspberry Pi 2 con Windows 10 IoT, ovvero la versione di Windows dedicata ai maker.

Programming the Raspberry Pi, Third Edition: Getting Started with Python

Guía completa

The Official BBC micro:bit User Guide

TV Geek

Getting Started with Arduino

The Official Raspberry Pi Beginner's Guide

Learn powerful visual programming techniques and best practices for the web and IoT

RASPBERRY PI - RASPBERRY PI 3 Achetez la version imprimée de ce livre et obtenez la version eBook Kindle GRATUITEMENT! Ce livre/cours est pour tout ceux qui sont prêts à monter des projets intéressants avec la plateforme Raspberry Pi. Vous pouvez commencez avec ce livre sans aucun savoir en programmation ou en électronique ou sur Linux. Tous les projets dans ce livre sont expliqués étape par étape avec des instructions claires. De plus si vous voulez commencer avec Linux inter en utilisant le tableau de bord de Raspberry Pi et aller plus profondément dans les spécificités, électroniques et les capteurs en générale alors ce livre est fait pour vous. Chaque chapitre contient un certains nombres de thème pertinent avec des illustrations et des exercices si nécessaire, le tout sera terminé avec un quiz de fin de chapitre pour un apprentissage facile et agréable. Dans ce livre vous travaillerez avec beaucoup de langages de programmes comme C,C++, Python, Lua et Shell scripting pour concevoir et développer différents types d'applications de la programmation à bas niveau de capteurs à l'interface utilisateur graphique. Ce livre ce concentre principalement sur les systèmes intégrés surtout ceux qui possèdent Linux en tant que système opérant sur « Embedded Linux» et comment interagir avec les components physiques comme LEDs et Sensors, de plus ce livre vous donnera une introduction pour les protocoles de communications comme I2C, SPI, UART et les compara entre eux. A la fin de ce livre vous trouverez le projet final qui est le OSMC, configuration, qui convertira Raspberry Pi en un media center travaillant avec Kodi Networking Sharing pour regarder vos films sur votre télé en utilisant Raspberry Pi. Cliquer sur ajouter au panier pour obtenir ce livre extraordinaire!

The quick, easy way to leap into the fascinating world ofphysical computing This is no ordinary circuit board. Arduino allows anyone,whether you're an artist, designer, programmer or hobbyist, tolearn about and play with electronics. Through this book you learnhow to build a variety of circuits that can sense or control thingsin the real world. Maybe you'll prototype your own product orcreate a piece of interactive artwork? This book equips you witheverything you'll need to build your own Arduino project, but whatyou make is up to you! If you're ready to bring your ideas into thereal world or are curious about the possibilities, this book is foryou. ? Learn by doing ? start building circuits and programmingyour Arduino with a few easy to follow examples - rightaway! ? Easy does it ? work through Arduino sketches line by linein plain English, to learn of how a they work and how to write yourown ? Solder on! ? Only ever used a breadboard in the kitchen?Don't know your soldering iron from a curling iron? No problem,you'll be prototyping in no time ? Kitted out ? discover new and interesting hardware to makeyour Arduino into anything from a mobile phone to a geigercounter! ? Become an Arduino savant ? learn all about functions,arrays, libraries, shields and other tools of the trade to takeyour Arduino project to the next level. ? Get social ? teach your Arduino to communicate withsoftware running on a computer to link the physical world with thevirtual world It's hardware, it's software, it's fun! Start building the nextcool gizmo with Arduino and Arduino For Dummies.

Le Raspberry Pi 2 avait déjà bouleversé le monde de la framboise avec son processeur 4 coeurs. Que pouvait-on attendre de plus ? Et pourtant, le Raspberry Pi 3 va plus loin encore : intégration du WiFi et du Bluetooth, processeur plus puissant ou encore nouveau modèle de connecteur micro SD. Ecrit par le cocréateur du Raspberry Pi, ce manuel complet d'utilisation vous donne toutes les clés pour tirer le meilleur parti de votre Pi, ce nano-ordinateur révolutionnaire : mise en route (comptes utilisateurs, réseau, installation de logiciels...) ; configuration et paramétrage (administration, répartition de la mémoire, amélioration des performances...) ; exploitation en média center ou en machine de productivité ; programmation avec Scratch et Python, et découverte de Minecraft Pi Edition ; optimisation du hardware (utilisation d'une breadboard, port GPIO, module de caméra...). Cet ouvrage est le compagnon idéal pour tous ceux qui désirent se lancer dans la grande aventure du Pi ou approfondir ses connaissances.

Congratulazioni! Se vuoi esplorare il mondo del Raspberry Pi 4 siamo sicuri che scoprirai un universo in cui programmare e costruire giochi, controllare robot e macchine e condividere le tue esperienze con altri entusiasti del Raspberry Pi.Il Raspberry Pi 4 ha capacità sorprendenti e può essere usato come media center, file server, console da retrogaming, router, blocco per i popup a livello di rete, solo per iniziare, ma anche molto di più! Ci sono centinaia di progetti in rete per costruire tablet, laptop, telefoni, robot, specchi intelligenti, per fare foto ai limiti dello spazio, per eseguire esperimenti sulla Stazione Spaziale Internazionale.Con il Pi 4, che è più veloce, può decodificare i video in 4k, ha un migliore storage via USB 3.0 e una rete più veloce con la Gigabit Ethernet, ci si può fare molto di più. Il Pi 4 è anche il primo Pi che supporta due schermi insieme, fino a due display 4K@30, perfetto per i creativi che hanno bisogno di più spazio sul desktop.Non serve essere uno scienziato per iniziare a sviluppare un progetto proprio: il MANUALE COMPLETO RASPBERRY PI 4 ti aiuterà a rivoluzionare il modo in cui intendi l'informatica!Ecco un'anteprima di cosa imparerai: -Configurare il Raspberry Pi 4-Installare il software-Installare Windows 10 sul Raspberry Pi 4-I comandi del Raspberry Pi-Come costruire un robot-Come creare dei giochi-Installare i pacchetti-Creare ed eseguire uno script di shell-Basi di programmazione in Python-Eseguire programmi python-Progetti Raspberry pi-Molto, molto altro!Sei pronto a imbarcarti nella più grande avventura digitale e a sfruttare al massimo il tuo Raspberry Pi 4? Aggiungi ora questo libro alla tua libreria!

Edition à jour de Raspberry Pi 3

The hands-on guide to making apps with Python

Get Started with MicroPython on Raspberry Pi Pico

SEO Warrior

Guida al Raspberry Pi, dall'installazione di Raspbian, alla programmazione in Python e Node RED

Learning Computer Architecture with Raspberry Pi

Using Speech Recognition Software to Dictate Your Book and Supercharge Your Writing Workflow

Nato come un metodo facile e divertente per giovani appassionati, il piccolo ma straordinario Raspberry Pi, con oltre 9 milioni di unità vendute, è diventato presto un fenomeno che interessa tutte le età. Raspberry Pi. La guida ufficiale vi offre tutto quello che dovete sapere sul vostro Raspberry Pi, con istruzioni passo passo realizzate dal creatore del Pi stesso, un autentico guru settore. Questo computer dalle dimensioni simili a quelle di una carta di credito può essere usato per qualunque attività: dalla riproduzione di video HD, all'hacking dell'hardware, fino alla programmazione vera e propria. Non avete esperienza? Nessun problema! Le istruzioni chiare e i suggerimenti pratici vi guideranno attraverso i vari passaggi, così che possiate ottenere il massimo dal vostro Raspberry Pi. Aggiornato alle ultime versioni della scheda Raspberry Pi e del relativo software, questa nuova edizione ti mostrerà come: installare il software e connettere display, audio, rete e molto altro; padroneggiare la terminologia e le convenzioni di Linux; scrivere il vostro software usando Scratch e Python; installare, eseguire ed esplorare Minecraft Pi Edition; eseguire l'hacking dell'hardware e risolvere i problemi più comuni; personalizzare il Pi con software, hardware e configurare la rete; estendere le capacità del Pi con add-on come i dongle Wi-Fi, un touch screen e molto altro ancora.

An up-to-date guide to creating your own fun and useful Raspberry PiTM programs This fully updated guide shows how to create inventive programs and fun games on your powerful Raspberry Pi—with no programming experience required. Programming the Raspberry PiTM: Getting Started with Python, Third Edition addresses physical changes and new setup procedures as w as OS updates to the current version 4. You will discover how to configure hardware and software, write Python scripts, create user-friendly GUIs, and control external electronics. Step-by-step projects include a digital clock prototype and a fully functioning Raspberry Pi robot. Configure your Raspberry Pi and explore its features Start writing and debugging Python programs Us strings, lists, functions, and dictionaries Work with modules, classes, and methods Apply object-oriented development methods Create user-friendly games using Pygame Build intuitive user interfaces with guizero Interface with hardware using the gpiozero library Attach external electronics through the GPIO port Add powerful Web features to your projects

Building desktop applications doesn't have to be difficult. Using Python & Qt5 you can create fully functional desktop apps in minutes. This is the 4th Edition of Create GUI Applications, updated for 2020 & PySide2 Starting from the very basics, this book takes you on a tour of the key features of PySide you can use to build real-life applications. Learn the fundamental building blocks of PySide applications — Widgets, Layouts & Signals and learn how PySide uses the event loop to handle and respond to user input. Design beautiful UIs with Qt Designer and customize the look and feel of your applications with Qt Style Sheets and custom widgets. Use Qt's MVC-like ModelViews framework to connect data sources to your widgets, including SQL datab numpy and pandas data tables, to build-data driven application. Visualize data using matplotlib & PyQtGraph and connect with external data sources to build live dashboards. Learn how to use threads and processes to manage long-running tasks and communicate with external services. Parse data and visualize the output in logs and progress bars. The book includes usability architectural tips to help you build maintainable and usable PySide2 applications from the start. Finally, once your application is ready to be released, discover how to package it up into professional-quality installers, ready to ship. The book includes - 665 pages of hands-on PySide2 exercises - 211 code examples to experiment with - Includes 4 example apps - Compatible with 3.4+ - Code free to reuse in your own projects

Raspberry Pi. La guida completaInformatica generale e sistemi operativiThe Official Raspberry Pi Camera GuideFor Camera Module & High Quality CameraProgrammare in Raspberry PiLa guida di programmazione di micro computer per hobbisty e principianti.

Guida al computer più compatto del mondo

Electronic Projects with Python, Scratch, and Linux

Guida completa: dall'ideazione alla realizzazione

Raspberry Pi User Guide

Progetti per Maker con Raspberry Pi

Networking, scripting e sicurezza in Kali

Raspberry Pi Manuale per Principianti

How can you make it easier for people to find your website? And how can you convert casual visitors into active users? SEO Warrior shows you how it's done through a collection of tried and true techniques, hacks, and best practices. Learn the nuts and bolts of search engine optimization (SEO) theory, the importance of keyword strategy, and how to avoid and remedy search engine traps. You'll also learn about search engine marketing (SEM) practices, such as Google AdWords, and how you can use social networking to increase your visibility. Ideal for web developers, savvy marketers, webmasters, and anyone else interested in SEO, this book serves not only as an SEO tutorial, but also as a reference for implementing effective SEO techniques. Create compelling sites with SEO that can stand the test of time Optimize your site for Google, Yahoo!, Microsoft's Bing, as well as search engines used in different parts of the world Conduct keyword research to find the best terms to reach your audience--and the related terms they'll respond to Learn what makes search engines tick by utilizing custom scripts Analyze your site to see how it measures up to the competition

In questo manuale imparerete come installare e configurare un Raspberry Pi e molto altro ancora.Per prima cosa discuteremo la storia e le origini del Raspberry Pi. Poi esamineremo tutti i modelli attualmente disponibili, i dati tecnici, le interfacce, il software interessante, i progetti hardware e i sistemi operativi disponibili. Questa guida è per i principianti di Raspberry Pi che vogliono costruire o ampliare le loro conoscenze. Se il vostro obiettivo è quello di utilizzare il Raspberry Pi per realizzare progetti per la vostra vita quotidiana o professionale, allora questo manuale è perfetto per voi. Dopo aver completato questo manuale, avrete imparato così tanto sul Raspberry Pi, che potrete configurare un Raspberry Pi in modo indipendente e diventare creativi con i vostri progetti.

The Maker's Manual is a practical and comprehensive guide to becoming a hero of the new industrial revolution. It features dozens of color images, techniques to transform your ideas into physical projects, and must-have skills like electronics prototyping, 3d printing, and programming. This book's clear, precise explanations will help you unleash your creativity, make successful projects, and work toward a sustainable maker business. Written by the founders of Frankenstein Garage, which has organized courses since 2011 to help makers to realize their creations, The Maker's Manual answers your questions about the Maker Movement that is revolutionizing the way we design and produce things.

Use your Raspberry Pi to get smart about computing fundamentals In the 1980s, the tech revolution was kickstarted by a flood of relatively inexpensive, highly programmable computers like the Commodore. Now, a second revolution in computing is beginning with the Raspberry Pi. Learning Computer Architecture with the Raspberry Pi is the premier guide to understanding the components of the most exciting tech product available. Thanks to this book, every Raspberry Pi owner can understand how the computer works and how to access all of its hardware and software capabilities. Now, students, hackers, and casual users alike can discover how computers work with Learning Computer Architecture with the Raspberry Pi. This book explains what each and every hardware component does, how they relate to one another, and how they correspond to the components of other computing systems. You'll also learn how programming works and how the operating system relates to the Raspberry Pi's physical components. Co-authored by Eben Upton, one of the creators of the Raspberry Pi, this is a companion volume to the Raspberry Pi User Guide An affordable solution for learning about computer system design considerations and experimenting with low-level programming Understandable descriptions of the functions of memory storage, Ethernet, cameras, processors, and more Gain knowledge of computer design and operation in general by exploring the basic structure of the Raspberry Pi The Raspberry Pi was created to bring forth a new generation of computer scientists, developers, and architects who understand the inner workings of the computers that have become essential to our daily lives. Learning Computer Architecture with the Raspberry Pi is your gateway to the world of computer system design.

La guida completa

Prise en main et premières réalisations

Raspberry Pi - Le guide de l'utilisateur

For Camera Module & High Quality Camera

La guida ufficiale

Practical Node-RED Programming

La guida di programmazione di micro computer per hobbisty e principianti.

Scopri tutte le funzionalità e possibilità che il Raspberry Pi può offrire! Vuoi conoscere tutte le funzionalità di Raspberry Pi? Vuoi imparare a costruire progetti e robot? Vuoi scoprire come creare un programma che generi tabelline? Rasberry Pi è molto di più di un semplice computer. Non solo consente di svolgere le principali funzioni di un normale pc come ascoltare la musica, elaborare testi, guardare un film, ma è un punto di accesso per la programmazione, l'elettronica e il fantastico mondo di Linux. Grazie a questo libro imparerai a sfruttare al massimo il tuo Raspberry Pi e scoprirai tutto ciò che è possibile ottenere da esso. Dopo una prima parte introduttiva per comprendere al meglio che cosa è Raspberry Pi e perché è importante utilizzarlo, farai un viaggio che ti consentirà di comprendere tutte le nozioni necessarie per programmare e creare progetti. Dalla configurazione del sistema operativo fino ad arrivare alla lavorazione e programmazione con GPIO. Il linguaggio semplice, le istruzioni chiare, gli esempi pratici e dettagliati ti consentiranno un percorso di apprendimento facile e veloce. Alla fine della lettura sarai in grado di partire da un idea per arrivare fino alla sua realizzazione! Ecco che cosa otterrai da questo libro: - Che cosa è Raspberry Pi e perché utilizzarlo - I dispositivi compatibili con Raspberry Pi: cosa ti serve - Come creare la scheda SD con il sistema operativo - I passaggi per configurare il software di Raspberry Pi - Il desktop: caratteristiche e interfaccia - Come impartire istruzioni al tuo Raspberry Pi: Shell Linux - Come sono organizzate le directory - Gli step per creare un programma che generi tabelline - GPIO: come collegare hardware al tuo Raspberry Pi - I passaggi per programmare con GPIO - E molto di più! Grande quanto una carta di credito, questo computer è il sogno di qualsiasi informatico e amante della robotica. In grado di svolgere notevoli attività dalla navigazione in internet, all'ascolto di musica ma non solo, è infatti progettato per insegnare a tutti come programmare con i vari linguaggi. Scorri verso l'alto e fai clic su "Acquista ora"!

Scratch is a fast, fun, and easy way to get started in computer science Do you want to make cool games, impressive animations, and become an all-around Scratch super star? You've come to the right place! Packed with full-color photos and easy-to-follow instructions, Scratch For Kids For Dummies makes it easy to get started—even if you've never attempted computer programming or coding. Inside, you'll find out how to design and develop your own games, create amazing animations, interact with the online Scratch community, and much more! There's no doubting that Scratch is fun, but it also helps you learn to think creatively, reason symmetrically, and work collaboratively—essential skills for life in the 21st century. Best of all, the software is completely free and runs right in your web browser! With the help of this down-to-earth and friendly guide, you'll quickly discover how to choose from a library of characters, backgrounds, and props, draw your own options, and open another user's project, modify it, and publish it online—all with the click of a button. Create games, stories, and animations Learn programming Share your projects with the Scratch community Participate in the Scratch forums If you're looking to make the most of MIT's Scratch software but don't quite know where to start, everything you need to try your hand at this popular multimedia programming tool is right here. So what are you waiting for?

Want to dictate up to 5000 WORDS an hour? Want to do it with 99% ACCURACY from the day you start? NEW EDITION: UPDATED to cover the latest Dragon Professional Individual v15 for PC & v6 for Mac FREE video training included! As writers, we all know what an incredible tool dictation software can be. It enables us to write faster and avoid the dangers of RSI and a sedentary lifestyle. But many of us give up on dictating when we find we can't get the accuracy we need to be truly productive. This book changes all of that. With almost two decades of using Dragon software under his belt and a wealth of insider knowledge from within the dictation industry, Scott Baker will reveal how to supercharge your writing and achieve sky-high recognition accuracy from the moment you start using the software. You will learn: - Hidden tricks to use when installing Dragon NaturallySpeaking on a Windows PC or Dragon Dictate for Mac; - How to choose the right microphone and set it up perfectly for speech recognition; - The little-known techniques that will ensure around 99% accuracy from your first install – and how to make this even better over time; - Setting up fail-safe dictation profiles with multiple microphones and voice recorders, without impacting your accuracy; - How to train the software to adapt to both your voice AND writing style and avoid your accuracy declining; - Strategies for achieving your entire daily word count in just one or two hours; - Many more tips and tricks you won't find anywhere else. At the end of the book, you'll also find an exclusive list of resources and links to FREE video training to take your knowledge even further. It's time to write at the speed of speech – and transform your writing workflow forever! Subject keywords: Dragon Dictate Naturally Speaking for PC Mac, dictating your book or novel, dictation for writers authors beginners advanced, creative writing guides, self publishing

Déjà le Raspberry Pi2 avait bouleversé le monde de la framboise avec son processeur 4 cœurs. Que pouvait-on attendre de plus? Le Raspberry Pi3 apporte son lot de nouveautés qui vont révolutionner le monde de la carte-mère miniature: intégration du WiFi et du Bluetooth, processeur plus puissant de 33% (toujours 4 cœurs mais en 64 bits), meilleure gestion de la puissance et nouveau modèle de connecteur microSD. Ecrit par le créateur du Raspberry Pi, cet ouvrage est un vrai manuel d'utilisation destiné à tous ceux qui souhaitent tirer le meilleur parti de cette carte. Il permet de comprendre le matériel et ses principes de fonctionnement (installation, configuration) et d'apprendre les bases de deux langages de programmation simples, Scratch et Python.

Passo Dopo Passo Verso il Primo Progetto Raspberry Pi

The Maker's Manual

The Definitive Guide to Programming Professionally

The Official Raspberry Pi Camera Guide

Programmare in Raspberry Pi

Scratch For Kids For Dummies

Essential Techniques for Increasing Web Visibility

Presents an introduction to the open-source electronics prototyping platform.

Piccolo ed economico, Raspberry Pi è il sogno di qualunque appassionato di informatica, ma anche di robotica: basato su software open source, questo microcomputer si alimenta come uno smartphone, è completamente programmabile e ha un costo irrisorio.Questo manuale, il primo in italiano, accompagna alla scoperta e all'utilizzo di Raspberry Pi in applicazioni didattiche, hobbistiche e ludiche. Che tu lo voglia utilizzare al posto di un PC o come componente di un progetto hardware imparerai a installare il sistema operativo, a collegare Raspberry Pi a TV, hard disk, mouse, tastiere e altre periferiche esterne, a scrivere semplici programmi e a realizzare prototipi interattivi funzionanti. La trattazione dei temi più complessi – tra cui le basi indispensabili dell'elettronica e della programmazione – è resa più semplice grazie a diagrammi, esempi e immagini.

Scopri tutti i segreti e tutte le funzionalità del Raspberry Pi! Ti piacerebbe conoscere tutte le potenzialità di Raspberry Pi? Vuoi imparare a costruire progetti e scoprire come funzionano i computer? Vuoi scoprire come fare per progettare giochi e costruire robot? Con le sue grandissime funzionalità e il metodo semplice, il Raspberry Pi è diventato un fenomeno che interessa persone di tutte le età. Grazie a questo libro scoprirai tutto quello che è necessario sapere sul vostro Raspberry Pi. Dopo una prima introduzione per familiarizzare con esso, capitolo dopo capitolo ti verranno date tutte le istruzioni per imparare a programmare, creare progetti e costruire robot. Questo computer grande quanto una carta di credito è in grado di fare notevoli attività dalla navigazione in internet, all'ascolto di musica ma non solo, è infatti progettato per insegnare a tutti come programmare con i vari linguaggi. Le istruzioni chiare e dettagliate e gli esempi pratici ti condurranno in un percorso di apprendimento facile e veloce. Alla fine della lettura sarai in grado di ottenere il massimo dal tuo Raspberry Pi. Ecco che cosa otterrai da questo libro: - Che cosa è Raspberry Pi - Da cosa è composto: tutte le sue parti - Le porte e le periferiche: caratteristiche e funzionalità - I passaggi per configurare il software di Raspberry Pi - Come eseguire Raspbian - Il desktop: caratteristiche e interfaccia - Gli step per l'utilizzo del Browser - Come gestire i file salvati - Le principali sottodirectory - I passaggi per programmare con Python - Condizioni e variabili - GPIO - Come accendere un Led - I passaggi per installare programmi - Come connettere audio, rete e display - E molto di più! La società moderna ha sempre più bisogno di programmatori. Raspberry Pi è tutto quello che serve per creare progetti entusiasmanti e funzionali. Quindi cosa aspetti? Scorri verso l'alto e fai clic su "Acquista ora"!

In this Raspberry Pi manual you will learn how to install and configure a Raspberry Pi and much more. First we will discuss the history and background of the Raspberry Pi. Then we will go through all currently available models, technical data, interfaces, interesting software, hardware projects and available operating systems. With this Raspberry Pi beginners guide you will build or expand your knowledge. If your goal is to use the Raspberry Pi to implement projects for your everyday or professional life, then this manual is perfect for you. After completing this manual, you have learned so much about the Raspberry Pi, that you can setup a Raspberry Pi independently and become creative with your own projects.

Raspberry pi dalla A alla Z

Manuale Completo Raspberry Pi 4

Create GUI Applications with Python & Qt5 (PySide2 Edition)

Rasperry PI

A Guide to Gut Health for People Who Love Delicious Food

Electrónica para makers

Raspberry Pi

La guida completa per imparare il computing e la programmazione con Raspberry Pi. Nato come un metodo facile e divertente per giovani appassionati e adulti curiosi, il Raspberry Pi si è presto evoluto in computer incredibilmente robusto, dalle dimensioni di una carta di credito, che può essere usato per qualunque attività: dalla riproduzione di video HD, all'hacking dell'hardware, fino alla programmazione vera e propria. Questo libro, best seller internazionale scritto da uno dei creatori del Raspberry Pi, vi offre tutto quel che dovete sapere sul vostro Raspberry Pi.

Questo libro è il perfetto punto di partenza per tutti coloro che sono interessati all'hacking e alla cybersecurity. Il testo illustra le basi del sistema operativo Linux, con particolare attenzione alla distribuzione Kali, la più usata nel mondo dell'hacking. Per prima cosa viene spiegato come installare Kali su una macchina virtuale e vengono presentati i concetti di base di Linux. Si passa quindi agli argomenti più avanzati, come la manipolazione del testo, le autorizzazioni di file e directory e la gestione delle variabili d'ambiente. Infine, sono presentati i concetti fondamentali dell'hacking, come la cybersecurity e l'anonimato, e viene introdotto lo scripting con bash e Python. Il testo è arricchito da molti esempi ed esercizi per testare le competenze acquisite.

Use a low-code programming approach to create event-driven applications from scratch by wiring together hardware devices, APIs, and online services Key FeaturesDiscover how you can automate the Internet of Things (IoT) without writing huge blocks of codeLearn how to wire together flows using a browser-based visual editorHandle IoT data with little to no coding knowledgeBook Description Node-RED is a free and open source flow-based programming tool used to handle IoT data that allows programmers of any level to interconnect physical I/O, cloud-based systems, databases, and APIs to build web applications without code. Practical Node-RED Programming is a comprehensive introduction for anyone looking to get up to speed with the Node-RED ecosystem in no time. Complete with hands-on tutorials, projects, and self-assessment questions, this easy-to-follow guide will help you to become well versed in the foundations of Node-RED. You'll learn how to use Node-RED to handle IoT data and build web applications without having to write complex code. Once you've covered the basics, you'll explore various visual programming techniques and find out how to make sample flows as you cover web development, IoT development, and cloud service connections, and finally build useful real-world applications. By the end of this book, you'll have learned how to use Node-RED to develop a real-world application from scratch, which can then be implemented in your business. What you will learnUnderstand the history of Node-RED and why you need to learn a flow-based programming toolUse Node-RED to build Node.js-based applicationsHandle data for IoT devices using Node-RED flowsExplore advanced Node-RED features such as connecting repositories and customizing the flow editorFind out what the MQTT protocol is and how it relates to Node-REDCreate and publish your own nodes and flows using the Node-RED libraryWho this book is for This Node-RED book is for web developers and IoT engineers with some background in JavaScript and Node.js. Although not necessary, familiarity with the concepts of electronics will help you to make the most out of this book.

Guida completa allo sviluppo e programmazione del micro computer per maker e hobbisti

Arduino For Dummies

Getting Started with Raspberry Pi

The Self-Taught Programmer

Raspberry Pi. La guida completa

Le guide de l'utilisateur, Edition à jour de Raspberry Pi 3