

Laptop Repair Complete Guide; Including Motherboard Component Level Repair!

The book was released due to the need for a "REAL" Laptop Repair Book. I myself have read every book released, and Not one will instruct you on how to repair the Laptops internal Components, as all the books available relating to Laptop Repair were written by Desktop Computer Technicians that have No Business writing a Laptop Repair Book! I do not want to mislead anyone into buying my book(s), I, happen to know Laptop Repair, and have released this book to teach the "unknown" to the rest of the world. This book goes into great detail on the repairing of the Laptops Motherboard and it's many failures and faults. This book will show you not only how to repair a Laptop Computer, it will instruct you on how to repair the Laptops Motherboard. This is the only book released to date that will show you the components of a Laptop Motherboard and how to Properly Test, Diagnose and Repair any issue that may arise. You will learn how to properly troubleshoot the most commonly occurring issues and achieve successful repair results. The book will teach you what tools are used and how to use the tools. It will teach you the proper way to solder and more importantly how to desolder micro components. You will learn my Patented/Trademarked and Copyrighted DIY Video Chip/GPU Rerlow Of the BGA method (not like the YouTube Knucklehead methods floating around out there). This Book is a first of its kind, the other books claiming to be Laptop Repair Books do not show you Motherboard Repairing, which 99% of the time you will need to know. They Do not show you step by step instructions on repairing major issues such as an corrupting Motherboard issue. This book however does. This Book shows you step by step instructions on DC Jack repairing, screen repairing, motherboard repairing and all other related issues. A must have for any aspiring Technician or any Do It Yourselfer. The target audience that would benefit from this book would include: current and aspiring computer repair technicians and facilities, Schools, Colleges, Laptop Repair technicians and all other areas of the IT (internet technology) field. The book was written to allow a novice or even the one-timer to be able to follow along and achieve successful results. Going Above And Beyond CompTia A+ Certification !!!

Most computer users think that fiddling with the insides of their PC is taboo. They fear that by removing the screws that hold the case on, they're crossing into forbidden territory. And even for those who know they can open the box and fix or upgrade their PC, analysis paralysis often stops them in their tracks: Which upgrades offer the best bang for the buck? How do you pinpoint the faulty component that's making your system freeze? What about compatibility issues? Get ready to get unstuck and get your PC running fast and running right. Repairing and Upgrading Your PC delivers start-to-finish instructions, simple and enough for even the most inexperienced PC owner, for troubleshooting, repairing, and upgrading your computer. Written by hardware experts Robert Bruce Thompson and Barbara Fritchman Thompson, this book covers it all: how to troubleshoot a troublesome PC, how to identify which components make sense for an upgrade, and how to tear it all down and put it back together. This book shows how to repair and upgrade all of your PC's essential components: Motherboard, CPU, and Memory. Choose the optimal match of these core components to keep your PC running at top speed Hard Drive, Optical Drive, and Removable Storage Give your computer what it needs for long-term and short-term storage Audio and Video. Enhance your computing experience with the right sound and graphics devices for your needs Input Devices. Pick the best keyboard and mouse to keep your hands happy and healthy Networking. Set up secure wireless networking to keep the bits flowing between your computers and the outside world Cases and Power Supplies. Keep everything running cool and reliably With its straightforward language, clear instructions, and extensive illustrations, this book makes it a breeze for PC owners of any skill level to work on their computer.

Explains how to maintain or enhance systems running the Linux operating system

"Troubleshooting PC hardware problems from boot failure to poor performance."--P. [4] of cover.

Including Motherboard and Component Level Repair!

Fixing Your Computer Absolute Beginner's Guide

Deep Learning with Python

Mobile Phones and Tablets Repairs

Laptop Repair Complete Instructions: (Russian Version)

The Complete Guide to Mount Rainier's Premier Trail

The Laptop Repair Workbook includes twelve full page troubleshooting flowcharts for laptop hardware troubleshooting and explanatory text for every decision point. The book begins with an introduction to basic laptop terminology, troubleshooting procedures, and cost decisions. Supplementary illustrated tests and procedures are available on the publisher's website, www.fonerbooks.com. An ebook version is also available direct from the publisher.

Provides information on how to upgrade, maintain, and troubleshoot the hardware of laptop computers, discussing the differences among them as well as their various configuration options.

This book will educate you on the Correct Process of Repairing The Entire Laptop, including and concentrating more on Motherboard Repair Instruction, Screen Repairing, Component Level Diagnosing and Repairing. This is the 3rd Book Released By Author Garry Romano. The Worlds Leading Laptop Repair Technician, Author, and Consultant. The book will take you through the laptops disassembly process. Explaining in detail how to disassemble all laptops. You will then be taught all about Liquid Spills to Laptops. What to do, What not to do, How to Remove Liquid and How To Repair Any Damage From Liquid to parts or components. You will be shown all the various tools to be used in laptop repair both hand tools and electronic tools explained. This book will then explain the entire upper end repairing techniques. Replacing screens - how to- then it will show you in great detail how to disassemble the screen and repair or replace the LCD c/cf/Bulb, the book will also discuss LED screens. You will be taught step by step how to solder a motherboard whether it is the components or the dc jack. The DC Jack Repair/Desoldering instructions are included. Most importantly, this book will teach you laptop motherboard repairing techniques. Learn to identify the parts and components on the motherboard, learn component replacement, motherboard testing techniques and more. This book also includes the authors Patented/Copyrighted and Trademarked Laptop Video Chip/GPU Motherboard Online Repair instruction. There is alot more included (Part Identification, Hard Drive Failure Issues etc...Jso check it out now. Going Above And Beyond CompTia A+ Certification !!!

2020 Banff Mountain Book Competition Finalist in Guidebooks Crack climbing is a highly technical form of movement in which climbers position their hands, feet, and even their entire body in cracks to make upward progress on rock. An advocate for the sport's aesthetic lines, physicality, and technical know-how, author Pete Whittaker teaches more than sixty Crack School Masterclasses each year and was featured in the popular climbing film Wide Boy. This detailed and comprehensive guide teaches step-by-step techniques and tips, including for: Jamming (finger, hand, fist, foot, arm, leg, body) Crack types (chimneys, liebacks, underclings, roof cracks) How to safely lead and place protection Efficient positioning and movement Strength recovery while climbing

Parachute Rigging Handbook

MacBook All-in-One For Dummies

Windows 10 Troubleshooting

Troubleshooting and Maintaining Your PC All-in-One For Dummies

A Businessperson's Guide to Federal Warranty Law

Crack Climbing

Your one-stop guide to Understanding and repairing motherboards, processors, chipsets, BIOS, and system resources Updating and optimizing memory and aging systems Diagnosing common PC problems and performing routine maintenance Installing and configuring system upgrades Working safely with the electrical components

of a PC Troubleshooting peripherals, storage systems and devices, sight and sound systems, and more Here's everything you need to know to fix or maintain a PC-and nothing you don't If you're a PC technician, time is money. Bestselling author Ron Glister trimmed every scrap of fat from this indispensable reference guide, packing it with clear, concise information that helps you do your job. Organized by hardware or component groups-motherboards, storage devices, printers, communications and networking, operating system software, and so on-it's liberally illustrated for faster comprehension. This is the one book you can't afford not to have on your repair bench.

Summary Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn't beat a serious Go player, to defeating a world champion. Behind this progress is deep learning—a combination of engineering advances, best practices, and theory that enables a wealth of previously impossible smart applications. About the Book Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. You'll explore challenging concepts and practice with applications in computer vision, natural-language processing, and generative models. By the time you finish, you'll have the knowledge and hands-on skills to apply deep learning in your own projects. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the International Conference on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others. Table of Contents PART 1 – FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin, the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and Its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU Instance

A Fully Revised Guide to Electronics Troubleshooting and Repair Repair all kinds of electrical products, from modern digital gadgets to analog antiques, with help from this updated book. How to Diagnose and Fix Everything Electronic, Second Edition, offers expert insights, case studies, and step-by-step instruction from a lifelong electronics guru. Discover how to assemble your workbench, use the latest test equipment, zero in on and replace dead components, and handle reassembly. Instructions for specific devices, including stereos, MP3 players, digital cameras, flat-panel TVs, laptops, headsets, and mobile devices are also included in this do-it-yourself guide. Choose the proper tools and set up your workbench Ensure personal safety and use proper eye and ear protection Understand how electrical components work and why they fail Perform preliminary diagnoses based on symptoms Use test equipment, including digital multimeters, ESR meters, spectrum analyzers, and oscilloscopes Interpret block, schematic, and pictorial diagrams Disassemble products and identify sections Analyze circuits, locate faults, and replace dead parts Establish connections and reassemble devices

CLICK HERE to download the chapter on "Backpacking" from Hiking the Wonderland Trail "There's no other trip, trail or peak that any backpacker should rank higher on his life list than the Wonderland Trail." - Backpacker magazine * Comprehensive and affectionate guide to one of the nation's iconic wilderness trails * Everything you need to help plan this 93-mile trek, whether done in one trip or several * Lavish, full-color design, yet informative and practical, with 125 photographs and 18 maps * Find even more details, updates and added trip extensions at hikingthewonderlandtrail.com Washington State's famed Wonderland Trail is a spectacular 93-mile route that circumnavigates Mount Rainier, challenging hikers with its strenuous 22,000 feet of cumulative elevation gain and loss. Hiking the Wonderland Trail: The Complete Guide to Mount Rainier's Premier Trail is an authoritative guidebook penned by Washington native Tami Asars, a professional instructor on hiking the trail, a third-generation hiker of the Cascade mountains, and seven-time hiker of the entire Wonderland Trail. In this guide Asars draws on her experience, covering these essentials: * How to work with the Wonderland Trail permit reservation system, and when to apply * Recommended gear--with a checklist--and ways to reduce pack weight, prevent blisters, and stay warm and dry * How to pack the perfect backpack * Food and fuel caching on the Wonderland, tips and instruction * Detailed camp-to-camp route descriptions and suggested itineraries * How to extend your adventures with the Northern Loop Trail and the Eastside Trail Over the years, Asars has taken extensive notes that she shares at workshops and in the field. Hiking the Wonderland Trail distills her boot-tested knowledge so that everyone can enjoy the magic of Mount Rainier's premier trail.

A Complete Guide for Beginners and Professionals

Computer Service and Repair

Occupational Outlook Handbook

Hiking the Wonderland Trail

Troubleshooting PC Hardware Problems from Boot Failure to Poor Performance

Complete CompTIA A+ Guide to IT Hardware and Software

Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ Core 1 (220-1001) and Core 2 (220-1002) exams. This is your all-in-one, real-world, full-color guide to connecting, managing, and troubleshooting modern devices and systems in authentic IT scenarios. Its thorough instruction built on the CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam objectives includes coverage of Windows 10, Mac, Linux, Chrome OS, Android, iOS, cloud-based software, mobile and IoT devices, security, Active Directory, scripting, and other modern techniques and best practices for IT management. Award-winning instructor Cheryl Schmidt also addresses widely-used legacy technologies—making this the definitive resource for mastering the tools and technologies you'll encounter in real IT and business environments. Schmidt's emphasis on both technical and soft skills will help you rapidly become a well-qualified, professional, and customer-friendly technician. LEARN MORE QUICKLY AND THOROUGHLY WITH THESE STUDY AND REVIEW TOOLS: Learning Objectives and chapter opening lists of CompTIA A+ Certification Exam Objectives make sure you know exactly what you'll be learning, and you cover all you need to know Hundreds of photos, figures, and tables present information in a visually compelling full-color design Practical Tech Tips provide real-world IT tech support knowledge Soft Skills best-practice advice and team-building activities in every chapter cover key tools and skills for becoming a professional, customer-friendly technician Exam Questions—including true/false, multiple choice, matching, and open-ended questions—carefully assess your knowledge of each learning objective Thought-provoking activities help students apply and reinforce chapter content, and allow instructors to "flip" the classroom if they choose Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the text to deeper understanding Chapter Summaries recap key concepts for more efficient studying Certification Exam Tips provide insight into the certification exam and preparation process

The all-time bestselling PC reference, fully updated for the newest technologies! Previous editions of this fun and friendly PC guide have sold more than three million copies, making it the bestselling PC reference in the world. Dan Gookin, the author whose straightforward and entertaining style is the foundation of the For Dummies series, gives you the same easy-to-follow guidance in this edition, fully updated for Windows 8, using the cloud, and all the newest PC bells and whistles. It's perfect for the absolute beginner as well as for anyone switching to the latest hardware and software. Updated with information on all the latest upgrades, this edition of a worldwide bestseller covers all the essentials of using a PC, and presents them in a fun, non-intimidating style Popular technology author Dan Gookin starts at the beginning with all the basics that other books assume everyone knows Covers setting up your PC, exploring the Windows 8 interface, using network hardware and software, getting online and browsing with the new version of the Internet Explorer, setting up an e-mail account, connecting to the cloud, and using cloud-based services Shows you how to install and upgrade programs and manage files and folders Explores working with digital photos, downloading music, watching movies, and participating in social media PCs For Dummies, 12th Edition is the jargon-free, easy-to-use guide to everything you need to know about your PC.

Laptop Repair Complete Guideincluding Motherboard and Component Level Repair/Creates an Independent Pub

This book will teach you how to repair a Laptop Computer, Translated To Russian Language. Learn complete testing and diagnosis for a Laptop Motherboard, Repair techniques for PCB and IC and Component Level Repairing. Learn Laptop Screen Repair, Learn DC Jack Repair, Learn the correct method of Micro Electronics Soldering Procedures. Complete Laptop Repair Instructions are taught. All Available in Russian Translation.

Worlds First Complete Guide to Laptop and Notebook Repair

Guitar Player Repair Guide

The Definitive Guide

The 300 Cases of Classic Mobile Computers Troubleshooting and Repair

Trino: The Definitive Guide

Learners, Contexts, and Cultures

Ideal for PC owners looking for an accessible, easy-to-follow reference, this beginner's guide to PC hardware offers expert advice on every component--processors, motherboards, memory, BIOS, CD-ROM and DVD drives, video cards, and much more. You'll also get details on external devices, including monitors, printers, keyboards, and modems. The book covers both Intel and non-Intel CPUs and USB and AGP ports.

Learn how to troubleshoot Windows 10 the way the experts do, whatever device or form-factor you're using. Focus on the problems that most commonly plague PC users and fix each one with a step-by-step approach that helps you understand the cause, the solution, and the tools required. Discover the connections between the different hardware and software in your devices, and how their bonds with external hardware, networks, and the Internet are more dependent than you think, and learn how to build resilience into any computer system, network, or device running Windows 10. If you're fed of these nagging day-to-day issues, want to avoid costly repairs, or just want to learn more about how PCs work, Windows 10 Troubleshooting is your ideal one-stop guide to the Windows 10 operating system. What You Will Learn: Understand your PC's ecosystem and how to connect the dots, so you can successfully track problems to their source Create resilient backups of your operating system, files, and documents, and enable quick and easy restore Learn your way around Windows' built-in administration tools, to quickly fix the typical problems that come up Diagnose and repair a wide range of common problems with printers and other essential peripherals Solve complex startup problems that can prevent a PC from booting Make your PC safe and secure for the whole family, and for everybody in your workplace Understand the threat from malware and viruses and a range of approaches to dealing with them, depending on the situation Bomb-proof your PC with advanced security, group policy, and firewall policies Learn the top tips and tricks for researching difficult problems, including third-party tools and useful web resources Work with the registry, file system, and Sysinternals to troubleshooting PCs in the workplace Who This Book Is For: Anyone using Windows 10 on a desktop, laptop, or hybrid device

Mobile Phones and Tablets Repairs is a 364 page complete manual that answers all the basic and professional level questions for entrants into mobile computing devices technical support segment. The book takes the reader one step at a time, combining a strong theoretical knowledge base about mobile devices - how they function, description of their internal components, their internal electronics with tutorial on basic foundation electronics for repairs and merged it with descriptive easily practicable tutorials on both hardware and software related repair procedures for mobile phones and tablets. Information about cell phone hardware and software repair tools is covered with product listings and guides for sources. If there is any complete guide-book on computer repairs ever known, then this book is the complete guide-book for mobile phones and tablets repairs! If

you are seeking for a way by which you could exchange personal services for money, then this book is for you. It is a complete Do-It-Yourself Guide book. In book stores all over the world, there are hardly complete repair guides for mobile telephones and tablets repairs although you may find many for PCs. This book is for the young people, students, or anyone seeking for a good resource for practical learning towards self reliance. In this century, the age of mobile communication and computing, it is one of the hottest tech repair service segment. Through the pages of this book, a reader can become a technician with a brighter and faster earning potential than most PC technicians. What this book teaches is practicable towards becoming also, a good PC technician. The tutorials cover Microelectronic device dis-assembly and re-assembly.

troubleshooting, BGA soldering, detailed electronics fundamentals, Flash programming and many more. The book ends with a chapter of information on how to set up shop and efficiently manage a mobile repair services support center. Discover the secrets of mobile phone repair with this book! There are many reasons to be curious about the way people learn, and the past several decades have seen an explosion of research that has important implications for individual learning, schooling, workforce training, and policy. In 2000, How People Learn: Brain, Mind, Experience, and School Expanded Edition was published and its influence has been wide and deep. The report summarized insights on the nature of learning in school-aged children; described principles for the design of effective learning environments; and provided examples of how that could be implemented in the classroom. Since then, researchers have continued to investigate the nature of learning and have generated new findings related to the neurological processes involved in learning, individual and cultural variability related to learning, and educational technologies. In addition to expanding scientific understanding of the mechanisms of learning and how the brain adapts throughout the lifespan, there have been important discoveries about influences on learning, particularly sociocultural factors and the structure of learning environments. How People Learn II: Learners, Contexts, and Cultures provides a much-needed update incorporating insights gained from this research over the past decade. The book expands on the foundation laid out in the 2000 report and takes an in-depth look at the constellation of influences that affect individual learning. How People Learn II

will become an indispensable resource to understand learning throughout the lifespan for educators of students and adults.

Laptop Repair Complete Guide

IT Essentials Companion Guide v7

A+ Certification and PC Repair Guide

D.I.Y Laptop Repair: The Portable Field Reference Guide

Computercare's Laptop Repair Workbook

Computer Service and Repair meets the requirements of the CompTIA Authorized Quality Curriculum (CAQC) program for A+ certification exams. Students do not need prior PC technical experience to benefit from the text. Topics include building and upgrading PCs, peripherals, plus troubleshooting. A chapter is dedicated to employment, including an overview of additional CompTIA, Microsoft, and other certifications that can propel careers.

I wrote this book for people who want to upgrade, repair, maintain, and troubleshoot laptop and notebook computers as well as for those enthusiasts who want to know more about laptops or portable PC hardware in general. No complicated technical theory, fully practical based step by step guide book. It will give you a complete and to the point knowledge on what to do to repair your laptop. It is not that basic that you get bored. Still has a very easy to understand language that all type of people can learn from. Even you don't need any previous technical knowledge to read and understand the book. If you would like to step into laptop repair world, I recommend this book highly. This is a book that goes deeper into the Motherboard End of Laptop Repairing. After reading the book in its entirety, then rereading it a second time, you shall able to repair a bunch of laptop motherboards. This book is written to teach for those people who - Technically inclined and want to know how to successfully repair a laptop or notebook computer. Who is serious to learn to make his career as a laptop repair technician.

A practical guide to the maintenance and repair of laptop computers, including three hundred repair cases and thirteen diagnostic flowcharts.

Intelligent readers who want to build their own embedded computer systems—installed in everything from cell phones to cars to handheld organizers to refrigerators— will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.

The Complete A+ Guide to PC Repair

Complete A+ Guide to IT Hardware and Software

D.i.y. Laptop Repair

How to Repair a Laptop

Upgrading and Repairing PCs

Compl CompT A+ Cd PC ePub 7

Cheryl Schmidt's The Complete A+ Guide to PC Repair, Fifth Edition Update presents the fundamentals of computer desktop and laptop installation, configuration, maintenance, and networking through simple, step-by-step instruction based on CompTIA A+® 2011 Edition objectives. With a focused emphasis on security and customer service skills, this comprehensive book on computer repair introduces the most important tools students need to become professional, customer-friendly technicians using today's technology. The A+ Certification Exam criteria are being updated, effective January 2011, to include Windows 7. The Fifth Edition Update now includes Windows 7 material.

Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ 220-901 and 220-902 exams. This all-in-one textbook and lab manual is a real-world guide to learning how to connect, manage, and troubleshoot multiple devices in authentic IT scenarios. Thorough instruction built on the CompTIA A+ 220-901 and 220-902 exam objectives includes coverage of Linux, Mac, mobile, cloud, and expanded troubleshooting and security. For realistic industry experience, the author also includes common legacy technologies still in the field along with non-certification topics like Windows 10 to make this textbook THE textbook to use for learning about today's tools and technologies. In addition, dual emphasis on both tech and soft skills ensures you learn all you need to become a qualified, professional, and customer-friendly technician. Dozens of activities to help "flip" the classroom plus hundreds of labs included within the book provide an economical bonus-no need for a separate lab manual. Learn more quickly and thoroughly with all these real-world labs!

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Cheryl Schmidt's The Complete A+ Guide to PC Repair, Fifth Edition Update presents the fundamentals of computer desktop and laptop installation, configuration, maintenance, and networking through simple, step-by-step instruction based on CompTIA A+® 2011 Edition objectives. With a focused emphasis on security and customer service skills, this comprehensive book on computer repair introduces the most important tools students need to become professional, customer-friendly technicians using today's technology. The A+ Certification Exam criteria are being updated, effective January 2011, to include Windows 7. The Fifth Edition Update now includes Windows 7 material.

Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ 220-901 and 220-902 exams. This all-in-one textbook and lab manual is a real-world guide to learning how to connect, manage, and troubleshoot multiple devices in authentic IT scenarios. Thorough instruction built on the CompTIA A+ 220-901 and 220-902 exam objectives includes coverage of Linux, Mac, mobile, cloud, and expanded troubleshooting and security. For realistic industry experience, the author also includes common legacy technologies still in the field along with non-certification topics like Windows 10 to make this textbook THE textbook to use for learning about today's tools and technologies. In addition, dual emphasis on both tech and soft skills ensures you learn all you need to become a qualified, professional, and customer-friendly technician. Dozens of activities to help "flip" the classroom plus hundreds of labs included within the book provide an economical bonus-no need for a separate lab manual. Learn more quickly and thoroughly with all these real-world labs!

Intelligent readers who want to build their own embedded computer systems—installed in everything from cell phones to cars to handheld organizers to refrigerators— will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.

The Complete A+ Guide to PC Repair

Complete A+ Guide to IT Hardware and Software

D.i.y. Laptop Repair

How to Repair a Laptop

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