

Teach Yourself Visually MacOS High Sierra

Hundreds of grassroots groups have sprung up around the world to teach programming, web design, robotics, and other skills outside traditional classrooms. These groups exist so that people don't have to learn these things on their own, but ironically, their founders and instructors are often teaching themselves how to teach. There's a better way. This book presents evidence-based practices that will help you create and deliver lessons that work and build a teaching community around them. Topics include the differences between different kinds of learners, diagnosing and correcting misunderstandings, teaching as a performance art, what motivates and demotivates adult learners, how to be a good ally, fostering a healthy community, getting the word out, and building alliances with like-minded groups. The book includes over a hundred exercises that can be done individually or in groups, over 350 references, and a glossary to help you navigate educational jargon.

Work, play, connect, and share with the ultimate tour to macOS 'X' macOS 'X' For Dummies is the ultimate tour guide to the Mac operating system, written by Bob "Dr. Mac" LeVitus himself! Whether you're upgrading your trusty old MacBook or venturing into new territory for the very first time, this easy to use guide will get you up and running quickly. It's all here: navigation, preferences, file management, networking, music and movies, and so much more. From the absolute basics to advanced techniques, this book shows you everything you need to know to turn your Mac into an extension of your brain. Concerned about security? Need to troubleshoot an issue? Want to make your Mac perform even better? Let Dr. Mac walk you through it with clear explanations and a little bit of humor. Read this book beginning-to-end for a complete

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tutorial, or dip in and out as needed when things take an unexpected turn; if you have macOS questions, Dr. Mac has the answers you need. macOS has powered Macs since 2001. Each free annual update improves the system's functionality, and typically offers a few new tools and fixes old issues. If you need to learn your way around this year's update quickly, easily, and thoroughly, this book is for you. Get organized and find your way around the interface Customize your Mac's look, "feel," and behavior Get connected, get online, and into the cloud Access your movies and music, back up your data, and more! Famous for its reliability and usability, macOS offers the sort of streamlined tools and operations you won't find anywhere else. macOS 'X' For Dummies helps you discover just how much your Mac can do for you. Apple's new Photos app lets you do a whole lot more than simply store and edit pictures and videos on a Mac or iOS device. With this comprehensive guide, you'll learn how to import, organize, and share your digital memories, as well as how to improve, print, and use your photos in creative projects. With Lesa Snider's step-by-step instructions and expert advice, you'll master Photos and tame your image library—and have fun along the way! The important stuff you need to know: Migrate from iPhoto. Learn how to make a quick and smooth transition. Organize your collection with ease. Master the many ways to import, group, and categorize images—and set up iCloud Family Sharing. Find your photos quickly. Employ Photos' powerful labeling, keyword and facial recognition features to optimize searches. Sharpen your editing skills. Skillfully use Photos' impressive image- and video-editing tools on your Mac or iOS device. Access photos anywhere. Sync your library to all of your Apple devices so your photos travel with you wherever you go. Share them online. Show your shots to everyone on your list by using shared albums, creating web galleries, posting them on Facebook, and more. Dive

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into creative projects. Build pro-level slideshows to share with others, and create gorgeous gift books, calendars, and cards.

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who

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want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting

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code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

Apple gives macOS new features and improvements right on your desktop and under the hood with Catalina—aka OS X 10.15. With this updated guide, you'll learn how to use your iPad as a second screen, work with iPad apps on your Mac, and use Screen Time on your Mac. This new edition of the #1 bestselling Mac book shows you how to use the revamped apps for Music, Podcasts, and TV. Loaded with illustrations, step-by-step instructions, tips, and tricks, this book from David Pogue—Missing Manual series creator, New York Times columnist, and Emmy-winning tech correspondent for CNBC, CBS, and NPR—covers everything Catalina has to offer with lots of humor and technical insight.

Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery

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pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC Master Windows 10 by reading only one book Teach Yourself Visually Windows 10, 3rd Edition brings together all of the necessary resources to make you an expert in the use of the latest

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version of Windows. Using highly visual techniques to maximize learner retention and memory, Teach Yourself Visually Windows 10 will have you breezing through the most popular operating system in the world in no time. The book includes hundreds of step-by-step and illustrated sets of instructions to teach you both the basics and the complexities of Windows 10 operation. Lessons include: · Installing and repairing applications · System maintenance · Setting up password-protection · Downloading photos · Managing media files · And more Teach Yourself Visually Windows 10 combines the best of visual learning techniques with comprehensive source material about the interface and substance of Windows 10 to leave you with encyclopedic knowledge of the operating system. Perfect for beginners and intermediate users alike, this book will turn your Windows-using experience from a slow slog into a lighting-fast masterclass of efficiency.

With El Capitan, Apple brings never-before-seen features to OS X—like a split-screen desktop, improved window controls, and amazing graphics. The new edition of David Pogue's #1 bestselling Mac book shows you how to use key new features such as swiping gestures, Notes, a new Spotlight search system, the Safari pinning feature, and Split View. Missing Manuals creator David Pogue is one of the most widely recognized technology authors in the world. A former New York Times technology columnist, he founded and now produces videos for Yahoo Tech.

Learn the basics and beyond with this visual guide to the iPad, iPad mini, and iPad Pro Teach Yourself VISUALLY iPad is a clear, concise, image-rich guide to getting the most out of your iPad, iPad mini, or iPad Pro running iOS 11. Designed to quickly get you the answers you need, it cuts to the chase by skipping the long-winded explanations and breaking each task

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down into bite-sized pieces. You'll find step-by-step instruction for everything from the initial setup to working with key features, plus troubleshooting advice that can help you avoid a trip to the Apple Genius Bar. Helpful sidebars highlight tips and tricks that get things done faster, and plenty of full-color screenshots help you visualize the lesson at hand. Exploring your iPad on your own is fun, but you'll miss some of the lesser-known features that help make the iPad the superior device it is. This guide provides a visual tour that helps new users will learn how to take advantage of all the iPad has to offer, and experienced users will discover techniques to streamline everyday tasks. * Customize your iPad and connect via Wi-Fi and Bluetooth * Access music, videos, games, photos, books, and apps * Set up your e-mail, browse the Web, and manage social media * Troubleshoot and fix minor issues that arise Now that you have this coveted device in your hands, you want to use every feature and maximize every capability—and Teach Yourself VISUALLY iPad helps you do just that, walking you through each step in the iPad experience.

Teach Yourself VISUALLY macOS High Sierra John Wiley & Sons

Introduces the UNIX environment in Mac OS X and explains concepts such as the Terminal application, compiling code, creating and installing packages, and building the Darwin kernel. C++ was first released in 1985, and it was a hard language to learn. That's because it required programmers to master low-level techniques to work with memory. Over the years, C++ has evolved to provide many higher-level techniques that make it much easier to write effective C++ code. But most C++ books haven't evolved with the language. Now, Murach's top authors have tackled the subject, rethinking the whole approach. So this book takes advantage of the modern techniques to make it easier to learn C++ than ever before. It's organized in a logical

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way that gets you off to a fast start with a practical subset of today's C++, and then builds out your coding and OOP skills to the professional level. With that foundation in place, it also covers older techniques so you'll be able to maintain the vast amount of legacy code that's out there, as well as work with embedded systems that don't support the newer techniques. To make all that manageable, this book uses Murach's distinctive "paired-pages" format that programmers find so helpful for both training and reference: Each topic is presented in a 2-page spread, with syntax, coding examples, and bulleted guidelines on the righthand page and extra explanation and perspective on the left. What's more, this book gives you 50+ realistic program examples to study, as well as practice exercises for hands-on experience. Examples and exercises like these are the key to learning any programming language. But you'll have a hard time finding such effective ones in other books and courses, that deliver the skills ours do.

The visual learner's ultimate guide to the MacBook and macOS High Sierra Teach Yourself VISUALLY MacBook is your ultimate guide to getting up and running quickly with your new MacBook, MacBook Pro, or MacBook Air! Whether you're new to computers or transitioning from a PC, this graphics-heavy guide will show you everything you need to know to get the most out of your new laptop. Clear, step-by-step instructions walk you through each task, with screenshots that help you follow along with confidence. You'll learn how to manage files, work with macOS software, organize photos and media, set up email, access the internet, and adjust settings and preferences to make your MacBook work the way you work. You'll also explore the features that bring computing to a whole new level, including iCloud, FaceTime, the App Store, and so much more! The Mac has long inspired a legion of loyal fans, and you're

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about to find out why. From sleek design to intuitive interface, to an OS that just works, Apple has cornered the market on the high-end computing experience. The MacBook makes sublime computing portable, and this book shows you how to take advantage of all that your MacBook has to offer. Get acquainted with the latest macOS version and its new features Perform everyday tasks quickly and easily Customize preferences and settings to suit your needs Download new apps, video chat, save to the cloud, and much more! No confusing tech-speak, no vague instructions, and no complex tangents into obscure tasks. This friendly guide is packed with screenshots, easy-to-follow instructions, and a practical sensibility; you're not launching the space shuttle, you just want to open your email. If you're ready to explore all that your MacBook can do, Teach Yourself VISUALLY MacBook is your ideal companion. Explore macOS tools and architecture for executing support tasks and system administration, and prepare for the Apple Certified Support Professional (ACSP) certification exam Key Features Delve into macOS Big Sur, from installation to managing apps and optimizing your environment Become an Apple Certified Support Professional (ACSP) with this comprehensive macOS support guide The book is not intended to be a user guide, it covers concepts pertinent for a user acting as an administrator Book Description Apple is pushing the capabilities of its technologies to help users achieve high performance, including improvements in its OS running across all Mac systems, macOS, and new technologies such as M1 Silicon chips. This book walks you through macOS from a system administration and support point of view, exploring its latest features. The book starts by explaining macOS architecture, installation, and startup processes to enable you to get started with the OS. You'll learn how to manage users and discover techniques for user security and privacy. Moving on, you'll get to grips with

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the macOS file system and learn to manage disks, volumes, and partitions for effective file management. Most of the examples covered in this book are from an administrator's perspective; however, when relevant, a standard user's perspective is also presented. You'll find illustrations for Mac systems running macOS 11 (Big Sur), and when necessary, for macOS 10.15 (macOS Catalina). Finally, you'll explore advanced topics such as networking and using command-line tools for administration tasks. By the end of this macOS book, you'll be well-versed with macOS features, administration tasks, and best practices. You'll also be able to apply the concepts to increase your chances of success in obtaining Apple certifications such as Apple Certified Support Professional (ACSP). What you will Learn

- Understand the fundamentals of the macOS system and architecture
- Configure key services and perform essential troubleshooting in your Mac system
- Install, update, and configure your local macOS system and identify the stages of the startup process
- Create and manage a local user account and set up your customized macOS environment
- Manage your file systems, storage, and permissions
- Explore practices and techniques to work with apps, networks, and security for your Mac system
- Delve into administration tasks such as managing service resources and peripherals

Who this book is for ? If you are a Mac system administrator, support and help desk technician or engineer, or Mac power user looking to explore macOS architecture and tooling, then this book is for you. The book assumes beginner-level knowledge of the macOS environment and system administration.

With High Sierra, Apple has taken its macOS operating system to new heights. From Apple's efficient new file system to improved video streaming and support for virtual reality, this latest macOS version provides features improve your experience. And once again, David Pogue

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brings his humor and expertise to the #1 bestselling Mac book. Whether you're a developer or a home-user, this guide offers a wealth of detail on Apple's macOS 10.13 operating system, this new edition covers everything High Sierra has to offer. Perfect for newcomers. Get crystal-clear, jargon-free introductions to the best and brightest macOS apps, including Siri, Safari, iCloud, FaceTime, and AirDrop. Get the whole picture. Learn more efficient ways to navigate, organize, and edit your photos with new features in the Photos app. Go in-depth. Take advantage of Apple's new graphics technology, and its support for virtual reality. Gain real insight. David Pogue doesn't just tell you how to use macOS features. You'll also learn why to use them—and how to avoid common pitfalls.

The visual learner's ultimate guide to the MacBook Pro, MacBook Air and macOS Catalina Teach Yourself VISUALLY MacBook is your ultimate guide to getting up and running quickly with your new MacBook Pro or MacBook Air! Whether you're new to computers or transitioning from a PC, this graphics-heavy guide will show you everything you need to know to get the most out of your new laptop. Clear, step-by-step instructions walk you through each task, with screenshots that help you follow along with confidence. You'll learn how to manage files, work with macOS software, organize photos and media, set up email, access the internet, and adjust settings and preferences to make your MacBook work the way you work. You'll also explore the features that bring computing to a whole new level, including iCloud, FaceTime, the App Store, and so much more! The Mac has long inspired a legion of loyal fans, and you're about to find out why. From sleek design to intuitive interface, to an OS that just works, Apple has cornered the market on the high-end computing experience. The MacBook makes sublime computing portable, and this book shows you how to take advantage of all that

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your MacBook has to offer. MacOS Catalina gives you more of everything you love about Mac. Prepare yourself to experience music, TV, and podcasts in newly designed Mac apps. You can now enjoy your favorite iPad apps on Mac, and even extend your workspace and expand your creativity with iPad and Apple Pencil. Packed with new features and updates to the apps Apple users love, you can now take everything you do up the next level. Get acquainted with the latest macOS version Cataline, and its new features Perform everyday tasks quickly and easily Customize preferences and settings to suit your needs Download new apps, video chat, save to the cloud, and much more! No confusing tech-speak, no vague instructions, and no complex tangents into obscure tasks. This friendly guide is packed with screenshots, easy-to-follow instructions, and a practical sensibility; you're not launching the space shuttle, you just want to open your email. If you're ready to explore all that your MacBook can do, Teach Yourself VISUALLY MacBook is your ideal companion.

Thoroughly revised, this third edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. The authors have made the figures used in the book available for download for fair use.:Download Figures. Reviews Rendering has been a required reference for professional graphics practitioners for nearly a decade. This latest edition

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is as relevant as ever, covering topics from essential mathematical foundations to advanced techniques used by today's cutting edge games. -- Gabe Newell, President, Valve, May 2008 Rendering ... has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The Bookwatch, November 2008 You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well as a new respect for the incredible craftsmanship that goes into today's PC games. -- Logan Decker, PC Gamer Magazine , February 2009

An accessible, visual, and creative approach to teaching core coding concepts using Python's Processing.py, an open-source graphical development environment. This beginners book introduces non-programmers to the fundamentals of computer coding within a visual, arts-focused context. Tristan Bunn's remarkably effective teaching approach is designed to help you visualize core programming concepts while you make cool pictures, animations, and simulations using Python Mode for the open-source Processing development environment. Right from the first chapter, you'll produce and manipulate colorful drawings, shapes and patterns as Bunn walks you through a series of easy-to-follow graphical coding projects that grow increasingly complex. You'll go from drawing with code to animating a bouncing DVD screensaver and practicing data-

visualization techniques. Along the way, you'll encounter creative-yet-practical skill-building challenges that relate to everything from video games, cars, and coffee, to fine art, amoebas, and Pink Floyd. As you grow more fluent in both Python and programming in general, topics shift toward the mastery of algorithmic thinking, as you explore periodic motion, Lissajous curves, and using classes to create objects. You'll learn about:

- Basic coding theories and concepts, like variables, data types, pixel coordinates, control flow and algorithms
- Writing code that produces drawings, patterns, animations, data visualizations, user interfaces, and simulations
- Using conditional statements, iteration, randomness, lists and dictionaries
- Defining functions, reducing repetition, and making your code more modular
- How to write classes, and create objects to structure code more efficiently

In addition to giving you a good grounding in general programming, the skills and knowledge you'll gain in this book are your entry point to coding for an ever-expanding horizon of creative technologies.

Go is rapidly becoming the preferred language for building web services. While there are plenty of tutorials available that teach Go's syntax to developers with experience in other programming languages, tutorials aren't enough. They don't teach Go's idioms, so developers end up recreating patterns that don't make sense in a Go context. This practical guide provides the essential background you need to write clear and idiomatic Go. No matter your level of experience, you'll learn how to think like a Go developer.

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Author Jon Bodner introduces the design patterns experienced Go developers have adopted and explores the rationale for using them. You'll also get a preview of Go's upcoming generics support and how it fits into the language. Learn how to write idiomatic code in Go and design a Go project Understand the reasons for the design decisions in Go Set up a Go development environment for a solo developer or team Learn how and when to use reflection, unsafe, and cgo Discover how Go's features allow the language to run efficiently Know which Go features you should use sparingly or not at all

An accessible primer on how to create effective graphics from data This book provides students and researchers a hands-on introduction to the principles and practice of data visualization. It explains what makes some graphs succeed while others fail, how to make high-quality figures from data using powerful and reproducible methods, and how to think about data visualization in an honest and effective way. Data Visualization builds the reader's expertise in ggplot2, a versatile visualization library for the R programming language. Through a series of worked examples, this accessible primer then demonstrates how to create plots piece by piece, beginning with summaries of single variables and moving on to more complex graphics. Topics include plotting continuous and categorical variables; layering information on graphics; producing effective "small multiple" plots; grouping, summarizing, and transforming data for plotting; creating maps; working with the output of statistical models; and refining plots

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to make them more comprehensible. Effective graphics are essential to communicating ideas and a great way to better understand data. This book provides the practical skills students and practitioners need to visualize quantitative data and get the most out of their research findings. Provides hands-on instruction using R and ggplot2 Shows how the “tidyverse” of data analysis tools makes working with R easier and more consistent Includes a library of data sets, code, and functions

Take your macOS Sierra to the next level using the latest tools, designs, and best coding practices while developing with Swift 3.0 About This Book Learn to harness the power of macOS with the elegance of the Swift programming language Become highly competent in building apps on the macOS platform Get the most in-depth guide with a hands-on approach on the latest version of macOS Who This Book Is For This book is for developers who have some experience with macOS and want to take their skills to next level by unlocking the full potential of latest version of macOS with Swift 3 to build impressive applications. Basic knowledge of Swift will be beneficial but is not required. What You Will Learn Combine beautiful design with robust code for the very best user experience Bring the best coding practices to the new macOS Sierra See what's new in Swift 3.0 and how best to leverage the Swift language Master Apple's tools, including Xcode, Interface Builder, and Instruments Use Unix and other common command-line tools to increase productivity Explore the essential Cocoa frameworks, including networking, animation, audio, and video In Detail macOS continues to lead the way in

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desktop operating systems, with its tight integration across the Apple ecosystem of platforms and devices. With this book, you will get an in-depth knowledge of working on macOS, enabling you to unleash the full potential of the latest version using Swift 3 to build applications. This book will help you broaden your horizons by taking your programming skills to next level. The initial chapters will show you all about the environment that surrounds a developer at the start of a project. It introduces you to the new features that Swift 3 and Xcode 8 offers and also covers the common design patterns that you need to know for planning anything more than trivial projects. You will then learn the advanced Swift programming concepts, including memory management, generics, protocol orientated and functional programming and with this knowledge you will be able to tackle the next several chapters that deal with Apple's own Cocoa frameworks. It also covers AppKit, Foundation, and Core Data in detail which is a part of the Cocoa umbrella framework. The rest of the book will cover the challenges posed by asynchronous programming, error handling, debugging, and many other areas that are an indispensable part of producing software in a professional environment. By the end of this book, you will be well acquainted with Swift, Cocoa, and AppKit, as well as a plethora of other essential tools, and you will be ready to tackle much more complex and advanced software projects. Style and approach This comprehensive guide takes a hands-on practical approach incorporating a visually-rich format rather than a text heavy format. The focus is on teaching the core concepts through a series of small

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projects and standalone examples so you gain expertise with various aspects of macOS application development.

The Apple-Certified Way to Learn macOS Support Essentials 11 , the official book for macOS support, is a top-notch primer for anyone who needs to support, troubleshoot, or optimize macOS Big Sur, such as IT professionals, technicians, help desk specialists, and ardent Mac users. This is the only Apple Pro Training Series book that covers Big Sur. You'll find in-depth, step-by-step instructions on everything from upgrading, updating, reinstalling and configuring macOS Big Sur to setting-up network services like the Content Caching service. This book covers updated system utilities and new features in macOS Big Sur, including security and privacy enhancements, Control Center and Notification Center, Safari, system extensions, macOS Recovery, Startup Security Utility, and the Signed System Volume (SSV). This book includes the following content: Authoritative explanations of underlying technologies, troubleshooting, system administration, and much more Focused lessons that take you step by step through practical, real-world tasks A Web Edition that provides the full text of the book online The Apple Pro Training Series is Apples official self-paced learning resource. Books in this series offer downloadable lesson files and an online version of the book. Additional information on this and other books in this series can be found at www.peachpit.com/apple . For more on certification, visit training.apple.com .

Millions of users create and share Excel spreadsheets every day, but few go deeply

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enough to learn the techniques that will make their work much easier. There are many ways to take advantage of Excel's advanced capabilities without spending hours on advanced study. Excel Hacks provides more than 130 hacks -- clever tools, tips and techniques -- that will leapfrog your work beyond the ordinary. Now expanded to include Excel 2007, this resourceful, roll-up-your-sleeves guide gives you little known "backdoor" tricks for several Excel versions using different platforms and external applications. Think of this book as a toolbox. When a need arises or a problem occurs, you can simply use the right tool for the job. Hacks are grouped into chapters so you can find what you need quickly, including ways to: Reduce workbook and worksheet frustration -- manage how users interact with worksheets, find and highlight information, and deal with debris and corruption. Analyze and manage data -- extend and automate these features, moving beyond the limited tasks they were designed to perform. Hack names -- learn not only how to name cells and ranges, but also how to create names that adapt to the data in your spreadsheet. Get the most out of PivotTables -- avoid the problems that make them frustrating and learn how to extend them. Create customized charts -- tweak and combine Excel's built-in charting capabilities. Hack formulas and functions -- subjects range from moving formulas around to dealing with datatype issues to improving recalculation time. Make the most of macros -- including ways to manage them and use them to extend other features. Use the enhanced capabilities of Microsoft Office 2007 to combine Excel with Word, Access, and Outlook. You can either

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browse through the book or read it from cover to cover, studying the procedures and scripts to learn more about Excel. However you use it, Excel Hacks will help you increase productivity and give you hours of "hacking" enjoyment along the way. So you're finally making the leap from Mac OS 9 to Mac OS X. Good for you! Or maybe you've just switched from Windows and bought a brand-spanking-new iMac. Bravo! Or perhaps you've never used a computer before and have bought a new Mac because you heard how easy they are to use. Bonus points! Whatever your reason for diving into the Aqua-filled world of Mac OS X, rest assured that you made the right choice. Thing is, Apple has made Mac OS X quite different from earlier Mac operating systems, and it's way different than Windows, so you may need a little help finding your way through that big, complicated operating system – not to mention all that great software that comes bundled with it. That's why veteran Mac-scribe Bob LeVitus has written a not-so-big, not-so-complicated Dummies book about Mac OS X. Recently revised for version 10.2 (a.k.a. Jaguar), *Mac OS X For Dummies, 2nd Edition*, shows you what Mac OS X is all about, without boring you silly, confusing you to the point of frustration, or poking you with sharp objects. You'll discover the information and advice you need in a language that you can understand (unlike those other computer books that shall remain nameless). Inside *Mac OS X For Dummies, 2nd Edition*, you'll find the following topics and more: Setting up and turning on your new Mac Getting around on the Desktop and in the Dock Finding stuff with the Finder Working with Mac OS X applications and files

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Surfing the Internet – Mac OS X style Sharing and printing files and documents Making your Mac your own: Setting System Preferences Troubleshooting – Yes, even Mac OS X crashes every once in a while Top Ten lists on how to speed up your Mac experience, accessories you should consider, Web sites all Mac freaks should know about, and valuable third-party software No matter what you use your Mac for – whether it's to surf the Internet, watch DVDs, listen to online music, or any number of other reasons – Mac OS X For Dummies, 2nd Edition, will get you well on your way to becoming a bona fide Mac guru.

JavaScript is one of the easiest, most straightforward ways to enhance a website with interactivity. Sams Teach Yourself JavaScript in 24 Hours, 4th Edition serves as an easy-to-understand tutorial on both scripting basics and JavaScript itself. The book is written in a clear and personable style with an extensive use of practical, complete examples. It also includes material on the latest developments in JavaScript and web scripting. You will learn how to use JavaScript to enhance web pages with interactive forms, objects, and cookies, as well as how to use JavaScript to work with games, animation, and multimedia.

Take a guided tour of macOS High Sierra and discover just how much your Mac can do Teach Yourself VISUALLY macOS High Sierra is the perfect introduction to Apple's operating system. With clear, step-by-step instructions and plenty of rich visuals, it walks you through the new macOS High Sierra and demonstrates the essential tasks you need to know. You'll learn how to manipulate Preferences to customize your experience, make the most of your digital media, and streamline your workflow while having a little fun. You'll tour Photos, Messages, and

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Notifications, and get acquainted with Mission Control, the App Store, and Siri. New Mac users will appreciate the straightforward instruction, while veteran users will enjoy getting up to speed on the latest features introduced or upgraded in macOS High Sierra. macOS High Sierra is the latest incarnation of Apple's macOS, boasting elegant new visuals, several new features, and more seamless integration of Mac and iOS devices. If you use a Mac, you're going to want a guided tour that shows you just what macOS can do for you. Teach Yourself VISUALLY macOS High Sierra is your go-to guide, from the fundamentals to the neat little tricks that make the Mac experience something far beyond computing. • Edit and enhance photos with the powerful new tools on the Photos app • Browse the web safely with Safari's new privacy features • Share files quickly and easily using iCloud Drive • Use Siri to accomplish more in less time Like any computer, your Mac is a tool. And like any tool, the more you know about it, the more you get out of it. Discover the beauty, simplicity, and sheer functionality that millions already enjoy—and get ready to master your Mac with Teach Yourself VISUALLY macOS High Sierra.

Numerous people still believe that learning and acquiring expertise in Linux is not easy, that only a professional can understand how a Linux system works. Nowadays, Linux has gained much popularity both at home and at the workplace. Linux Yourself: Concept and Programming aims to help and guide people of all ages by offering a deep insight into the concept of Linux, its usage, programming, administration, and several other connected topics in an easy approach. This book can also be used as a textbook for undergraduate/postgraduate engineering students and others who have a passion to gain expertise in the field of computer science/information technology as a Linux developer or

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administrator. The word "Yourself" in the title refers to the fact that the content of this book is designed to give a good foundation to understand the Linux concept and to guide yourself as a good Linux professional in various platforms. There are no prerequisites to understand the contents from this book, and a person with basic knowledge of C programming language will be able to grasp the concept with ease. With this mindset, all the topics are presented in such a way that it should be simple, clear, and straightforward with many examples and figures. Linux is distinguished by its own power and flexibility, along with open-source accessibility and community as compared to other operating systems, such as Windows and macOS. It is the author's sincere view that readers of all levels will find this book worthwhile and will be able to learn or sharpen their skills. KEY FEATURES Provides a deep conceptual learning and expertise in programming skill for any user about Linux, UNIX, and their features. Elaborates GUI and CUI including Linux commands, various shells, and the vi editor Details file management and file systems to understand Linux system architecture easily Promotes hands-on practices of regular expressions and advanced filters, such as sed and awk through many helpful examples Describes an insight view of shell scripting, process, thread, system calls, signal, inter-process communication, X Window System, and many more aspects to understand the system programming in the Linux environment Gives a detailed description of Linux administration by elaborating LILO, GRUB, RPM-based package, and program installation and compilation that can be very helpful in managing the Linux system in a very efficient way Reports some famous Linux distributions to understand the similarity among all popular available Linux and other features as case studies Make the most of your iPhone with this witty, authoritative, full-color guide to iOS 14. Apple has

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sold over 2.2 billion iPhones—but not one has come with a user guide. And with each annual update of iOS, Apple piles on more and more features; at this moment, the Settings app alone bristles with over 1,000 options. In iPhone Unlocked, the #1 bestselling iPhone author David Pogue offers a curated guide to the essential and useful features of the new iPhone 12 family—and all other models that can run the iOS 14 software. A former New York Times tech columnist and bestselling how-to author, no one is better equipped than Pogue to offer expert instruction to this complicated iPhone. With his trademark humor, crystal-clear prose, and 300 full-color illustrations, Pogue guides readers through everything in iOS 14: Home-screen widgets, the new App Library, the all-new Translate app, the redesigned Search, FaceTime, and calling screens, and much more. Whether you're a new iPhone user or a seasoned veteran, iPhone Unlocked is a gorgeous, authoritative, all-in-one master class on all things iPhone.

"This book provides a working guide to the C++ Open Source Computer Vision Library (OpenCV) version 3.x and gives a general background on the field of computer vision sufficient to help readers use OpenCV effectively."--Preface.

The ultimate visual learner's guide to Windows 10 Teach Yourself VISUALLY Windows 10 Anniversary Update is the quick and easy way to get up and running with Windows 10 and Windows 10 Update. From setting up to shutting down and everything in between, this book guides you through everything you need to know to start working with Windows 10. Learn how to customize Windows 10, pin an app to the Start menu, work with files and digital media, customize the interface, optimize performance, set up email, go online, and so much more. Two-page spreads, detailed instruction, and expert content walk you through more than 150

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Windows tasks. Coverage includes the Windows 10 release, along with the newest features of the Windows 10 Anniversary Update. This is your visual guide to learning what you can do with Windows 10 and Windows 10 Anniversary Update. Find your way around Windows 10 with full-color screen shots Install programs, set up user accounts, play music and videos, and more Learn basic maintenance that keeps your system running smoothly Set up password protection and troubleshoot basic issues quickly

Got a new MacBook, MacBook Air, or MacBook Pro? Want the scoop on Mac laptop basics, using Mac OS X Leopard, networking a laptop, or connecting your laptop to wireless devices? There's no better place to find what you need than MacBook For Dummies, 2nd Edition! With your Mac laptop, you can take your movies, music, documents, e-mail, and Internet wherever the action is. MacBook For Dummies, 2nd Edition provides the lowdown on maintaining and upgrading your MacBook, customizing the Dock and desktop, traveling with a laptop, turning iPhoto into your portable darkroom, and much more. Learn to: Locate the battery compartment, iSight camera, ports, and "on" button Move your existing files from an older computer Use all the cool new features of Mac OS X Leopard Work with iTunes, iMovie, iPhoto, iDVD, and GarageBand, all packaged with your MacBook Identify the signs of a well-functioning laptop and check for trouble Set up your Mac for multiple users Explore the cool options available with a .Mac account and iDisk storage that lets you retrieve your files anywhere Manage your digital music, photos, and movies Use Bluetooth and get all your wireless devices communicating with each other And if you've been considering switching from a PC to a Mac, MacBook For Dummies, 2nd Edition guides you through the process and even shows you how to run Windows on your Mac laptop. If there's a MacBook in your future — or present — this is the

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book for you!

Your visual, guided tour of OS X El Capitan With clear, step-by-step instructions and plenty of rich visuals, Teach Yourself Visually OS X El Capitan walks you through the latest updates of OS X and demonstrates the essential tasks you need to know.

Get the most out of the latest MacBook Air with this easy-to-read visual guide Who doesn't love the MacBook Air? It's light as a feather, yet delivers heavyweight functionality. If you want clear, practical, visual instructions on how to use your new MacBook Air, this is the book for you. Using tons of illustrations and step-by-step explanations, Teach Yourself VISUALLY MacBook Air gets you up and running by clearly showing you how to do everything. From the basics to everything the new OS X operating system brings to the table, this book guides you through. Walks you through all the new features and functions of the new MacBook Air Shows you how to work with the new OS X Mavericks operating system, iCloud, FaceTime, and more Covers basics, such as powering up and shutting down to running Windows applications and downloading apps from the Mac Store Features full-color screen shots to reinforce your visual learning of processes Find all the cool and practical ways to use your MacBook Air with Teach Yourself VISUALLY MacBook Air.

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your information, and your privacy Manage connections to networks, devices, and storage resources

“We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document.” —Soumith Chintala, co-creator of PyTorch

Key Features Written by PyTorch’s creator and key contributors

- Develop deep learning models in a familiar Pythonic way
- Use PyTorch to build an image classifier for cancer detection
- Diagnose problems with your neural network and improve training with data augmentation

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About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep learning without sacrificing advanced features. It’s great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you’ll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks.

What You Will Learn

- Understanding deep learning data structures such as tensors and neural networks
- Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results
- Implementing modules and loss functions
- Utilizing pretrained models from PyTorch Hub

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Methods for training networks with limited inputs Sifting through unreliable results to diagnose and fix problems in your neural network Improve your results with augmented data, better model architecture, and fine tuning This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required. About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART 1 - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a neural network to fit the data 7 Telling birds from airplanes: Learning from images 8 Using convolutions to generalize PART 2 - LEARNING FROM IMAGES IN THE REAL WORLD: EARLY DETECTION OF LUNG CANCER 9 Using PyTorch to fight cancer 10 Combining data sources into a unified dataset 11 Training a classification model to detect suspected tumors 12 Improving training with metrics and augmentation 13 Using segmentation to find suspected nodules 14 End-to-end nodule analysis, and where to go next PART 3 - DEPLOYMENT 15 Deploying to production

The ultimate starting point for seniors who want to learn how to use a personal computer, this reference guides users through the basics of the Windows 8 operating system with easy-to-read large print and copious screenshots.

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Clear instructions to help visual learners get started with their MacBook Pro Covering all the essential information you need to get up to speed with your MacBook Pro, this new edition provides you with the most up-to-date information on performing everyday tasks quickly and easily. From basics such as powering on or shutting down the MacBook Pro to more advanced tasks such as running Windows applications, this visual guide provides the help and support you need to confidently use your MacBook Pro to its full potential. Empowers you to perform everyday tasks quickly and easily Covers new hardware updates, the latest version of OS X, troubleshooting, iCloud, FaceTime, and more Walks you through working on the Mac desktop with Mission Control and Launchpad Explains how to download applications from the Mac App Store Teach Yourself VISUALLY MacBook Pro, Second Edition is an ideal, fully illustrated guide for learning how to make the most of all your MacBook Pro has to offer.

Get to know MacOS Sierra with this visual expert guide Teach Yourself VISUALLY macOS Sierra is your ideal guide to the new Mac operating system. Clear, step-by-step instructions walk you through setup, show you around, and help you get down to work—but first you'll have a little fun. Sierra brings Siri to the desktop, provides seamless access across devices, allows you to copy from one device and paste to another, and so much more. This guide takes you through the beautiful, functional, simplicity that is the macOS workflow, with straightforward explanations, step-by-step demonstration, and rich, easy-to-follow visuals. From essential everyday tasks to the specialized "tricks" you can only find on a Mac, you'll know Sierra inside-out in a flash. Expert instruction is the key to getting the most out of any tool, and your Mac is a tool like no other. Connect, create, enjoy, and more with fewer clicks, fewer issues, and much less confusion than any other operating system. This book is your personal guide to exploring

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