

MP3 Browser V1.01 's Developer

Ze-Nian Li,Mark S. Drew,Jiangchuan Liu

Fundamentals of Multimedia Ze-Nian Li, Mark S. Drew, Jiangchuan Liu, 2021-03-20 PREVIOUS EDITION This textbook introduces the “Fundamentals of Multimedia”, addressing real issues commonly faced in the workplace. The essential concepts are explained in a practical way to enable students to apply their existing skills to address problems in multimedia. Fully revised and updated, this new edition now includes coverage of such topics as 3D TV, social networks, high-efficiency video compression and conferencing, wireless and mobile networks, and their attendant technologies. Features: presents an overview of the key concepts in multimedia, including color science; reviews lossless and lossy compression methods for image, video and audio data; examines the demands placed by multimedia communications on wired and wireless networks; discusses the impact of social media and cloud computing on information sharing and on multimedia content search and retrieval; includes study exercises at the end of each chapter; provides supplementary resources for both students and instructors at an associated website.

AWS Certified Developer Official Study Guide Nick Alteen, Jennifer Fisher, Casey Gerena, Wes Gruver, Asim Jalil, Heiwad Osman, Marife Pagan, Santosh Patlolla, Michael Roth, 2019-09-24 Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide–Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You’ll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they’re looking for. When you’re ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide–Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12.

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Professional Android 4 Application Development Reto Meier, 2012-04-05 Developers, build mobile Android apps using Android 4 The fast-growing popularity of Android smartphones and tablets creates a huge opportunities for developers. If you're an experienced developer, you can start creating robust mobile Android apps right away with this professional guide to Android 4 application development. Written by one of Google's lead Android developer advocates, this practical book walks you through a series of hands-on projects that illustrate the features of the Android SDK. That includes all the new APIs introduced in Android 3 and 4, including building for tablets, using the Action Bar, Wi-Fi Direct, NFC Beam, and more. Shows experienced developers how to create mobile applications for Android smartphones and tablets Revised and expanded to cover all the Android SDK releases including Android 4.0 (Ice Cream Sandwich), including all updated APIs, and the latest changes to the Android platform. Explains new and enhanced features such as drag and drop, fragments, the action bar, enhanced multitouch support, new environmental sensor support, major improvements to the animation framework, and a range of new communications techniques including NFC and Wi-Fi direct. Provides practical guidance on publishing and marketing your applications, best practices for user experience, and more This book helps you learn to master the design, lifecycle, and UI of an Android app through practical exercises, which you can then use as a basis for developing your own Android apps.

Fluent Forever Gabriel Wyner, 2014-08-05 NATIONAL BESTSELLER • For anyone who wants to learn a foreign language, this is the method that will finally make the words stick. “A brilliant and thoroughly modern guide to learning new languages.”—Gary Marcus, cognitive psychologist and author of the New York Times bestseller *Guitar Zero* At thirty years old, Gabriel Wyner speaks six languages fluently. He didn’t learn them in school—who does? Rather, he learned them in the past few years, working on his own and practicing on the subway, using simple techniques and free online resources—and here he wants to show others what he’s discovered. Starting with pronunciation, you’ll learn how to rewire your ears and turn foreign sounds into familiar sounds. You’ll retrain your tongue to produce those sounds accurately, using tricks from opera singers and actors. Next, you’ll begin to tackle words, and connect sounds and spellings to imagery rather than translations, which will enable you to think in a foreign language. And with the help of sophisticated spaced-repetition techniques, you’ll be able to memorize hundreds of words a month in minutes every day. This is brain hacking at its most exciting, taking what we know about neuroscience and linguistics and using it to create the most efficient and enjoyable way to learn a foreign language in the spare minutes of your day.

Dr. Dobb's Journal of Software Tools for the Professional Programmer ,2003

Beginning C++ Programming Richard Grimes, 2017-04-24 Modern C++ at your fingertips! About This Book This book gets you started with the exciting world of C++ programming It will enable you to write C++ code that uses the standard library, has a level of object orientation, and uses memory in a safe and effective way It forms the basis of programming and covers concepts such as data structures and the core programming language Who This Book Is For A computer, an internet connection, and the desire to learn how to code in C++ is all you need to get started with this book. What You Will Learn Get familiar with the structure of C++ projects Identify the main structures in the language: functions and classes Feel confident about being able to identify the execution flow through the code Be aware of the facilities of the standard library Gain insights into the basic concepts of object orientation Know how to debug your programs Get acquainted with the standard C++ library In Detail C++ has come a long way and is now adopted in several contexts. Its key strengths are its software infrastructure and resource-constrained applications, including desktop applications, servers, and performance-critical applications, not to forget its importance in game programming. Despite its strengths in these areas, beginners usually tend to shy away from learning the language because of its steep learning curve. The main mission of this book is to make you familiar and comfortable with C++. You will finish the book not only being able to write your own code, but more importantly, you will be able to read other projects. It is only by being able to read others' code that you will progress from a beginner to an advanced programmer. This book is the first step in that progression. The first task is to familiarize you with the structure of C++ projects so you will know how to start reading a project. Next, you will be able to identify the main structures in the language, functions, and classes, and feel confident being able to identify the execution flow through the code. You will then become aware of the facilities of the standard library and be able to determine whether you need to write a routine yourself, or use an existing routine in the standard library. Throughout the book, there is a big emphasis on memory and pointers. You will understand memory usage, allocation, and access, and be able to write code that does not leak memory. Finally, you will learn about C++ classes and get an introduction to object orientation and polymorphism. Style and approach This straightforward tutorial will help you build strong skills in C++ programming, be it for enterprise software or for low-latency applications such as games or embedded programming. Filled with examples, this book will take you gradually up the steep learning curve of C++.

Hello, Android Ed Burnette, 2015-05-04 Google Android dominates the mobile market, and by targeting Android, your apps can run on most of the phones and tablets in the world. This new fourth edition of the #1 book for learning Android covers all modern Android versions from Android 4.1 through Android 5.0. Freshly added material covers new Android features such as Fragments and Google Play Services. Android is a platform you

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Android Application Development Rick Rogers, John Lombardo, Zigurd Mednieks, Blake Meike, 2009-05-13 This practical book provides the concepts and code you need to develop software with Android, the open-source platform for cell phones and mobile devices that's generating enthusiasm across the industry. Based on the Linux operating system and developed by Google and the Open Handset Alliance, Android has the potential to unite a fragmented mobile market. Android Application Development introduces this programming environment, and offers you a complete working example that demonstrates Android architectural features and APIs. With this book, you will: Get a complete introduction to the Android programming environment, architecture, and tools Build a modular application, beginning with a core module that serves to launch modules added in subsequent chapters Learn the concepts and architecture of a specific feature set, including views, maps, location-based services, persistent data storage, 2D and 3D graphics, media services, telephony services, and messaging Use ready-to-run example code that implements each feature Delve into advanced topics, such as security, custom views, performance analysis, and internationalization The book is a natural complement to the existing Android documentation provided by Google. Whether you want to develop a commercial application for mobile devices, or just want to create a mobile mashup for personal use, Android Application Development demonstrates how you can design, build, and test applications for the new mobile market.

Speech and Audio Processing for Coding, Enhancement and Recognition Tokunbo Ogunfunmi, Roberto Togneri, Madihally (Sim) Narasimha, 2014-10-14 This book describes the basic principles underlying the generation, coding, transmission and enhancement of speech and audio signals, including advanced statistical and machine learning techniques for speech and speaker recognition with an overview of the key innovations in these areas. Key research undertaken in speech coding, speech enhancement, speech recognition, emotion recognition and speaker diarization are also presented, along with recent advances and new paradigms in these areas.

Programming Robots with ROS Morgan Quigley, Brian Gerkey, William D. Smart, 2015-11-16 Chapter 3. Topics; Publishing to a Topic; Checking That Everything Works as Expected; Subscribing to a Topic; Checking That Everything Works as Expected; Latched Topics; Defining Your Own Message Types; Defining a New Message; Using Your New Message; When Should You Make a New Message Type?; Mixing Publishers and Subscribers; Summary; Chapter 4. Services; Defining a Service; Implementing a Service; Checking That Everything Works as Expected; Other Ways of Returning Values from a Service; Using a Service; Checking That Everything Works as Expected; Other Ways to Call Services; Summary.

Nincompoopery John R. Brandt, 2019-07-16 CEO and award-winning business writer John R. Brandt offers concrete examples of how any organization can innovate in ways that delight customers and attract top-level talent. Nincompoopery--terrible customer service, idiotic business processes, and soul-crushing management practices--surrounds all of us. We lose time, patience, and profits as stuck-in-the-past organizations actively prevent us (and our customers) from getting the value we (and they) deserve. In Nincompoopery, Brandt leverages research across thousands of companies to show leaders how to find and kill the corporate stupidity that drives customers crazy. It usually starts by asking simple questions, such as: Why should our customers have to rekey their data multiple times to make a single purchase? Why are there four levels of approval just to order basic supplies? Why can't we get qualified candidates for open positions, or provide new employees with decent training? In short: How did we become such nincompoops? And when will we stop? Brandt has worked with hundreds of companies to help them outwit competitors, and in this book, he shares his unique blueprint for success. Nincompoopery offers leaders the answers they need--and the profits they crave--with a scoop of humor on the side.

HTML5 for .NET Developers Ian Gilman, James Jackson, 2012-11-30 Summary HTML5 for .NET Developers teaches professional software engineers how to integrate the latest HTML5 APIs and semantic markup into rich web applications using JavaScript, ASP.NET MVC, and WCF. Written from the .NET perspective, this book is full of practical applications and ways to connect the new web standards with your existing development practices About the Technology A shift is underway for Microsoft developers—to build web applications you'll need to integrate HTML5 features like Canvas-based graphics and the new JavaScript-driven APIs with familiar technologies like ASP.NET MVC and WCF. This book is designed for you. About this Book HTML5 for .NET Developers teaches you how to blend HTML5 with your current .NET tools and practices. You'll start with a quick overview of the new HTML5 features and the semantic markup model. Then, you'll systematically work through the JavaScript APIs as you learn to build single page web apps that look and work like desktop apps. Along the way, you'll get tips and learn techniques that will prepare you to build metro-style applications for Windows 8 and WP 8. This book assumes you're familiar with HTML, and concentrates on the intersection between new HTML5 features and Microsoft-specific technologies. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside HTML5 from a .NET perspective Local storage, threading, and WebSockets Using JSON-enabled web services WCF services for HTML5 How to build single page web apps This book speaks directly to the interests and concerns of the .NET developer.—From the Forward by Scott Hanselman, Microsoft Table of Contents HTML5 and .NET A markup primer: classic HTML, semantic HTML, and CSS Audio and video controls Canvas The History API: Changing the game for MVC sites Geolocation and web mapping Web workers and drag and drop Websockets Local storage and state management Offline web applications

Software-Defined Radio for Engineers Alexander M. Wyglinski, Robin Getz, Travis Collins, Di Pu, 2018-04-30 Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Web Audio API Boris Smus, 2013 Go beyond HTML5's Audio tag and boost the audio capabilities of your web application with the Web Audio API. Packed with lots of code examples, crisp descriptions, and useful illustrations, this concise guide shows you how to use this JavaScript API to make the sounds and music of your games and interactive applications come alive. You need little or no digital audio expertise to get started. Author Boris Smus introduces you to digital audio concepts, then shows you how the Web Audio API solves specific application audio problems. If you're an experienced JavaScript programmer, you'll not only learn how to synthesize and process digital audio, you'll also explore audio analysis and visualization with this API. Learn Web Audio API, including audio graphs and the audio nodes Provide quick feedback to user actions by scheduling sounds with the API's precise timing model Control gain, volume, and loudness, and dive into clipping and crossfading Understand pitch and frequency: use tools to manipulate soundforms directly with JavaScript Generate

synthetic sound effects and learn how to spatialize sound in 3D space Use Web Audio API with the Audio tag, getUserMedia, and the Page Visibility API

Html5 Web Application Development by Example Beginner's Guide J. M. Gustafson,2013-01-01 The best way to learn anything is by doing. The author uses a friendly tone and fun examples to ensure that you learn the basics of application development. Once you have read this book, you should have the necessary skills to build your own applications.If you have no experience but want to learn how to create applications in HTML5, this book is the only help you'll need. Using practical examples, HTML5 Web Application Development by Example will develop your knowledge and confidence in application development.

Android Hacker's Handbook Joshua J. Drake,Zach Lanier,Collin Mulliner,Pau Oliva Foras,Stephen A. Ridley,Georg Wicherski,2014-03-26 The first comprehensive guide to discovering and preventingattacks on the Android OS As the Android operating system continues to increase its shareof the smartphone market, smartphone hacking remains a growingthreat. Written by experts who rank among the world's foremostAndroid security researchers, this book presents vulnerabilitydiscovery, analysis, and exploitation tools for the good guys.Following a detailed explanation of how the Android OS works andits overall security architecture, the authors examine howvulnerabilities can be discovered and exploits developed forvarious system components, preparing you to defend againstthem. If you are a mobile device administrator, security researcher,Android app developer, or consultant responsible for evaluatingAndroid security, you will find this guide is essential to yourtoolbox. A crack team of leading Android security researchers explainAndroid security risks, security design and architecture, rooting,fuzz testing, and vulnerability analysis Covers Android application building blocks and security as wellas debugging and auditing Android apps Prepares mobile device administrators, security researchers,Android app developers, and security consultants to defend Androidsystems against attack Android Hacker's Handbook is the first comprehensiveresource for IT professionals charged with smartphonesecurity.

Programming Erlang Joe Armstrong,2013-09-23 A multi-user game, web site, cloud application, or networked database can have thousands of users all interacting at the same time. You need a powerful, industrial-strength tool to handle the really hard problems inherent in parallel, concurrent environments. You need Erlang. In this second edition of the bestselling Programming Erlang, you'll learn how to write parallel programs that scale effortlessly on multicore systems. Using Erlang, you'll be surprised at how easy it becomes to deal with parallel problems, and how much faster and more efficiently your programs run. That's because Erlang uses sets of parallel processes-not a single sequential process, as found in most programming languages. Joe Armstrong, creator of Erlang, introduces this powerful language in small steps, giving you a complete overview of Erlang and how to use it in common scenarios. You'll start with sequential programming, move to parallel programming and handling errors in parallel programs, and learn to work confidently with distributed programming and the standard Erlang/Open Telecom Platform (OTP) frameworks. You need no previous knowledge of functional or parallel programming. The chapters are packed with hands-on, real-world tutorial examples and insider tips and advice, and finish with exercises for both beginning and advanced users. The second edition has been extensively rewritten. New to this edition are seven chapters covering the latest Erlang features: maps, the type system and the Dialyzer, WebSockets, programming idioms, and a new stand-alone execution environment. You'll write programs that dynamically detect and correct errors, and that can be upgraded without stopping the system. There's also coverage of rebar (the de facto Erlang build system), and information on how to share and use Erlang projects on github, illustrated with examples from cowboy and bitcask. Erlang will change your view of the world, and of how you program. What You Need The Erlang/OTP system. Download it from erlang.org.

Mind, Character, and Personality Ellen Gould Harmon White,2001

Apple Confidential 2.0 Owen W. Linzmayer,2004 Chronicles the best and the worst of Apple Computer's remarkable story.

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