

# Swift Ios 24 Hour Trainer By Abhishek Mishra

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## **Swift iOS 24-Hour Trainer**

Abhishek Mishra 2016-01-19

Jump into the app development world with confidence! iOS Swift 24-Hour Trainer combines book and video lessons in Apple's Swift programming language to prepare you to build iPhone and iPad apps—and distribute them

through the Appstore. First, this approachable text covers the fundamentals of Swift by introducing you to iOS development in this language, and presenting best practices for setting up a development environment and using variables, statements, expressions, operators, functions, and closures. Next, you

explore common tasks, such as alert views, table views, and collection views. You then deepen your knowledge of Swift by considering network programming and local data storage. Finally, this engaging resource dives into slightly more advanced concepts, such as tab bars, web views, the accelerometer, camera, photo library, Google maps, and core location. Swift was designed by Apple to incorporate modern scripting features while offering simpler, cleaner syntax than Objective-C to maintain a minimal and easy to read style. This more expressive code offers numerous key features, such as closures unified with function pointers, tuples and multiple value returns, generics, and functional programming patterns. Learn how to obtain a device UDID Test your applications on an actual device, so you can see your work in action Distribute your applications outside of the

App store, allowing you to test your work with real users Review common reasons why apps are rejected by Apple to strengthen your case when submitting your apps for distribution iOS Swift 24-Hour Trainer is an essential guide to Apple's Swift programming language for beginning programmers.

Breakthrough Homi Kharas 2022-01-25 Harnessing technology for a better future Looking into the future is always difficult and often problematic—but sometimes it's useful to imagine what innovations might resolve today's problems and make tomorrow better. In this book, 15 distinguished international experts examine how technology will affect the human condition and natural world within the next ten years. Their stories reflect major ambitions for what the future could bring and offer a glimpse into the possibilities for

achieving the UN's ambitious Sustainable Development Goals. The authors were asked to envision future success in their respective fields, given the current state of technology and potential progress over the next decade. The central question driving their research: What are likely technological advances that could contribute to the Sustainable Development Goals at major scale, affecting the lives of hundreds of millions of people or substantial geographies around the globe. One overall takeaway is that gradualist approaches will not achieve those goals by 2030. Breakthroughs will be necessary in science, in the development of new products and services, and in institutional systems. Each of the experts responded with stories that reflect big ambitions for what the future may bring. Their stories are not projections or forecasts as to what will happen; they are reasoned and reasonable conjectures about what

could happen. The editors' intent is to provide a glimpse into the possibilities for the future of sustainable development. At a time when many people worry about stalled progress on the economic, social, and environmental challenges of sustainable development, *Breakthrough* is a reminder that the promise of a better future is within our grasp, across a range of domains. It will interest anyone who wonders about the world's economic, social, and environmental future.

[The Agile Leader](#) Simon Hayward 2021-06-03 Ever feel like you and your team are stretched across multiple demands or that the goal posts change constantly? Never before have businesses felt so acutely this constant need to adapt, pivot and change tack. This book will teach you how you can not only survive in the context of digital transformation, but also thrive and grow, by adopting a

powerful agile leadership model. This new and revised edition of *The Agile Leader* lays out clearly in eight steps how agile leaders empower their team to make decision quickly, evaluate correctly where the biggest opportunities are and mould their strategies around market dynamics and ever-changing needs. If there's one leadership skill that successful businesses have in spades, it's the ability to enable teams to adapt and grow within complex eco-systems of clients, partners and suppliers. By focusing on teamwork and collaboration, as well as promoting shared decision making and ruthless prioritizing, leaders can transform the way they work as well as how their teams function to make them more malleable. Simon Hayward is an agile leadership expert. In this new edition of this successful book, he distills years of leadership and agile research into an actionable 8 step plan, brought

to life with examples of agile digital businesses. Learn how to become agile and make digital transformation and delivery part of your business as usual.

### Grokking the System Design

#### Interview Design Gurus

2021-12-18 This book (also available online at

[www.designgurus.org](http://www.designgurus.org)) by

Design Gurus has helped 60k+

readers to crack their system

design interview (SDI). System

design questions have become a

standard part of the software

engineering interview process.

These interviews determine

your ability to work with

complex systems and the position

and salary you will be offered by

the interviewing company.

Unfortunately, SDI is difficult for

most engineers, partly because

they lack experience developing

large-scale systems and partly

because SDIs are unstructured in

nature. Even engineers who've

some experience building such

systems aren't comfortable with

these interviews, mainly due to the open-ended nature of design problems that don't have a standard answer. This book is a comprehensive guide to master SDIs. It was created by hiring managers who have worked for Google, Facebook, Microsoft, and Amazon. The book contains a carefully chosen set of questions that have been repeatedly asked at top companies. What's inside? This book is divided into two parts. The first part includes a step-by-step guide on how to answer a system design question in an interview, followed by famous system design case studies. The second part of the book includes a glossary of system design concepts. Table of Contents First Part: System Design Interviews: A step-by-step guide. Designing a URL Shortening service like TinyURL. Designing Pastebin. Designing Instagram. Designing Dropbox. Designing Facebook Messenger. Designing Twitter.

Designing YouTube or Netflix. Designing Typeahead Suggestion. Designing an API Rate Limiter. Designing Twitter Search. Designing a Web Crawler. Designing Facebook's Newsfeed. Designing Yelp or Nearby Friends. Designing Uber backend. Designing Ticketmaster. Second Part: Key Characteristics of Distributed Systems. Load Balancing. Caching. Data Partitioning. Indexes. Proxies. Redundancy and Replication. SQL vs. NoSQL. CAP Theorem. PACELC Theorem. Consistent Hashing. Long-Polling vs. WebSockets vs. Server-Sent Events. Bloom Filters. Quorum. Leader and Follower. Heartbeat. Checksum. About the Authors Designed Gurus is a platform that offers online courses to help software engineers prepare for coding and system design interviews. Learn more about our courses at [www.designgurus.org](http://www.designgurus.org).

**Computer Networks and**

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## **Inventive Communication**

**Technologies** S. Smys 2021-06-02

This book is a collection of peer-reviewed best selected research papers presented at 3rd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2020). The book covers new results in theory, methodology, and applications of computer networks and data communications. It includes original papers on computer networks, network protocols and wireless networks, data communication technologies, and network security. The proceedings of this conference is a valuable resource, dealing with both the important core and the specialized issues in the areas of next generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practice. It is a reference for

researchers, instructors, students, scientists, engineers, managers, and industry practitioners for advance work in the area.

## **Amazon Web Services for Mobile Developers** Abhishek Mishra

2017-10-17 A practical, real-world introduction to AWS tools and concepts Amazon Web Services for Mobile Developers: Building Apps with AWS presents a professional view of cloud computing and AWS for experienced iOS/Android developers and technical/solution architects. Cloud computing is a rapidly expanding ecosystem, and working professionals need a practical resource to bring them up-to-date on tools that are rapidly becoming indispensable; this book helps expand your skill set by introducing you to AWS offerings that can make your job easier, with a focus on real-world application. Author and mobile applications developer Abhishek Mishra shows you how to create IAM accounts and try out some of

the most popular services, including EC2, Lambda, Mobile Analytics, Device Farm, and more. You'll build a chat application in both Swift (iOS) and Java (Android), running completely off AWS Infrastructure to explore SDK installation, Xcode, Cognito authentication, DynamoDB, Amazon SNS Notifications, and other useful tools. By actually using the tools as you learn about them, you develop a more intuitive understanding that feels less like a shift and more like a streamlined integration. If you have prior experience with Swift or Java and a solid knowledge of web services, this book can help you quickly take your skills to the next level with a practical approach to learning that translates easily into real-world use. Understand the key concepts of AWS as applied to both iOS and Android developers Explore major AWS offerings for mobile developers, including

DynamoDB, RDS, EC2, SNS, Cognito, and more Learn what people are talking about when they use buzzwords like PaaS, IaaS, SaaS, and APaaS Work through explanations by building apps that tie into the AWS ecosystem Any job is easier with the right tools, and Amazon Web Services for Mobile Developers: Building Apps with AWS gets you acquainted with an ever-expanding toolkit for mobile app development.

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Abhishek Mishra 2016-01-06

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setting up a development environment and using variables, statements, expressions, operators, functions, and closures. Next, you explore common tasks, such as alert views, table views, and collection views. You then deepen your knowledge of Swift by considering network programming and local data storage. Finally, this engaging resource dives into slightly more advanced concepts, such as tab bars, web views, the accelerometer, camera, photo library, Google maps, and core location. Swift was designed by Apple to incorporate modern scripting features while offering simpler, cleaner syntax than Objective-C to maintain a minimal and easy to read style. This more expressive code offers numerous key features, such as closures unified with function pointers, tuples and multiple value returns, generics, and functional programming patterns. Learn how to obtain a device

UDID Test your applications on an actual device, so you can see your work in action Distribute your applications outside of the App store, allowing you to test your work with real users Review common reasons why apps are rejected by Apple to strengthen your case when submitting your apps for distribution iOS Swift 24-Hour Trainer is an essential guide to Apple's Swift programming language for beginning programmers.

### **Introduction to Instrumentation and Measurements**

Robert B. Northrop 2018-09-03 Weighing in on the growth of innovative technologies, the adoption of new standards, and the lack of educational development as it relates to current and emerging applications, the third edition of Introduction to Instrumentation and Measurements uses the authors' 40 years of teaching experience to expound on the theory, science, and art of

modern instrumentation and measurements (I&M). What's New in This Edition: This edition includes material on modern integrated circuit (IC) and photonic sensors, micro-electro-mechanical (MEM) and nano-electro-mechanical (NEM) sensors, chemical and radiation sensors, signal conditioning, noise, data interfaces, and basic digital signal processing (DSP), and upgrades every chapter with the latest advancements. It contains new material on the designs of micro-electro-mechanical (MEMS) sensors, adds two new chapters on wireless instrumentation and microsensors, and incorporates extensive biomedical examples and problems. Containing 13 chapters, this third edition: Describes sensor dynamics, signal conditioning, and data display and storage Focuses on means of conditioning the analog outputs of various sensors Considers noise and coherent interference in

measurements in depth Covers the traditional topics of DC null methods of measurement and AC null measurements Examines Wheatstone and Kelvin bridges and potentiometers Explores the major AC bridges used to measure inductance,  $Q$ , capacitance, and  $D$  Presents a survey of sensor mechanisms Includes a description and analysis of sensors based on the giant magnetoresistive effect (GMR) and the anisotropic magnetoresistive (AMR) effect Provides a detailed analysis of mechanical gyroscopes, clinometers, and accelerometers Contains the classic means of measuring electrical quantities Examines digital interfaces in measurement systems Defines digital signal conditioning in instrumentation Addresses solid-state chemical microsensors and wireless instrumentation Introduces mechanical microsensors (MEMS and NEMS) Details examples of the design of

measurement systems  
Introduction to Instrumentation and Measurements is written with practicing engineers and scientists in mind, and is intended to be used in a classroom course or as a reference.

It is assumed that the reader has taken core EE curriculum courses or their equivalents.

*Advances in Image and Data Processing Using VLSI Design*

Sandeep Saini 2021 VLSI is a well-established field of research that ignited the modern computing revolution. Serving as a guide to future developments, this book provides a framework for design, modeling concepts, and application of Image Processing based systems using VLSI design techniques.

*iOS Code Testing* Abhishek Mishra 2017-06-30 Put into motion practical examples to master Test-Driven Development (TDD) and acceptance testing in Swift. This book uses a pragmatic approach to writing well-tested

code and provides techniques that can be used to retrofit tests to legacy code bases. You'll be introduced to basic principles of TDD, such as Test First, Red-Green-Refactor, Remove Duplicate code, Dependency Injection, and Single Responsibility. Approaches covered include TDD, behavior-driven development (BDD), UI, and acceptance testing with common standard/open source frameworks. iOS Code Testing offers helpful instruction to teach iOS developers to retrospectively fit tests to legacy code, refactor legacy code so as to make the code more testable, install and configure a popular Swift BDD framework, practice BDD with Xcode, and create automated UI tests with Xcode. Additionally, many projects have legacy code bases. Legacy code is often seen as a blocker when it comes to implementing any kind of testing. What You Will Learn  
Fit test to legacy code

retrospectively Install and configure popular Swift BDD frameworks Practice BDD with Xcode Who This Book Is For Software practitioners, such as Swift developers and mobile app testers.

### **Advances in Manufacturing and Industrial Engineering**

Ranganath M. Singari 2021-01-13

This book presents selected peer reviewed papers from the International Conference on Advanced Production and Industrial Engineering (ICAPIE 2019). It covers a wide range of topics and latest research in mechanical systems engineering, materials engineering, micro-machining, renewable energy, industrial and production engineering, and additive manufacturing. Given the range of topics discussed, this book will be useful for students and researchers primarily working in mechanical and industrial engineering, and energy technologies.

Proceedings of 2nd International Conference on Communication, Computing and Networking C. Rama Krishna 2018-09-07 The book provides insights from the 2nd International Conference on Communication, Computing and Networking organized by the Department of Computer Science and Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India on March 29–30, 2018. The book includes contributions in which researchers, engineers, and academicians as well as industrial professionals from around the globe presented their research findings and development activities in the field of Computing Technologies, Wireless Networks, Information Security, Image Processing and Data Science. The book provides opportunities for the readers to explore the literature, identify gaps in the existing works and propose new ideas for research.

**Smartphone-Based Real-Time Digital Signal Processing** Nasser Kehtarnavaz 2018-12-17 Real-time or applied digital signal processing courses are offered as follow-ups to conventional or theory-oriented digital signal processing courses in many engineering programs for the purpose of teaching students the technical know-how for putting signal processing algorithms or theory into practical use. These courses normally involve access to a teaching laboratory that is equipped with hardware boards, in particular DSP boards, together with their supporting software. A number of textbooks have been written discussing how to achieve real-time implementation on these hardware boards. This book discusses how to use smartphones as hardware boards for real-time implementation of signal processing algorithms as an alternative to the hardware boards that are used in signal

processing laboratory courses. The fact that mobile devices, in particular smartphones, have become powerful processing platforms led to the development of this book enabling students to use their own smartphones to run signal processing algorithms in real-time considering that these days nearly all students possess smartphones. Changing the hardware platforms that are currently used in applied or real-time signal processing courses to smartphones creates a truly mobile laboratory experience or environment for students. In addition, it relieves the cost burden associated with using dedicated signal processing boards noting that the software development tools for smartphones are free of charge and are well-maintained by smartphone manufacturers. This book is written in such a way that it can be used as a textbook for real-time or applied digital signal processing courses offered

at many universities. Ten lab experiments that are commonly encountered in such courses are covered in the book. This book is written primarily for those who are already familiar with signal processing concepts and are interested in their real-time and practical aspects. Similar to existing real-time courses, knowledge of C programming is assumed. This book can also be used as a self-study guide for those who wish to become familiar with signal processing app development on either Android or iPhone smartphones.

### **React Native for Mobile**

**Development** Akshat Paul

2019-06-12 Develop native iOS and Android apps with ease using React Native. Learn by doing through an example-driven approach, and have a substantial running app at the end of each chapter. This second edition is fully updated to include ES7 (ECMAScript 7), the latest version of React Native

(including Redux), and development on Android. You will start by setting up React Native and exploring the anatomy of React Native apps. You'll then move on to Redux data flow, how it differs from flux, and how you can include it in your React Native project to solve state management differently and efficiently. You will also learn how to boost your development by including popular packages developed by the React Native community that will help you write less; do more. Finally, you'll learn to how write test cases using Jest and submit your application to the App Store. React Native challenges the status quo of native iOS and Android development with revolutionary components, asynchronous execution, unique methods for touch handling, and much more. This book reveals the the path-breaking concepts of React.js and acquaints you with the React

way of thinking so you can learn to create stunning user interfaces.

**What You'll Learn Build**

stunning iOS and Android applications Understand the Redux design pattern and use it in your project Interact with iOS and android device capabilities such as addressbook, camera, GPS

and more with your apps Test and launch your application to the App Store

**Who This Book Is**

For Anyone with JavaScript experience who wants to build native mobile applications but dreads the thought of programming in Objective-C or Java. Developers who have experience with JavaScript but are new or not acquainted to React Native or ReactJS.

**Protocols, Strands, and Logic**

Daniel Dougherty 2021-11-18 This Festschrift was published in honor of Joshua Guttman on the occasion of his 66.66 birthday. The impact of his work is reflected in the 23 contributions enclosed in this volume. Joshua's

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most influential and enduring contribution to the field has been the development of the strand space formalism for analyzing cryptographic protocols. It is one of several "symbolic approaches" to security protocol analysis in which the underlying details of cryptographic primitives are abstracted away, allowing a focus on potential flaws in the communication patterns between participants. His attention to the underlying logic of strand spaces has also allowed him to merge domain-specific reasoning about protocols with general purpose, first-order logical theories. The identification of clear principles in a domain paves the way to automated reasoning, and Joshua has been a leader in the development and distribution of several tools for security analysis.

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**Domain-driven Design** Eric Evans 2004 Describes ways to incorporate domain modeling into software development.

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**Machine Learning for iOS**

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**Developers** Abhishek Mishra  
2020-03-04 Harness the power of Apple iOS machine learning (ML) capabilities and learn the concepts and techniques necessary to be a successful Apple iOS machine learning practitioner! Machine learning (ML) is the science of getting computers to act without being explicitly programmed. A branch of Artificial Intelligence (AI), machine learning techniques offer ways to identify trends, forecast behavior, and make recommendations. The Apple iOS Software Development Kit (SDK) allows developers to integrate ML services, such as speech recognition and language translation, into mobile devices, most of which can be used in multi-cloud settings. Focusing on Apple's ML services, Machine Learning for iOS Developers is an up-to-date introduction to the field, instructing readers to implement machine learning in iOS applications. Assuming no

prior experience with machine learning, this reader-friendly guide offers expert instruction and practical examples of ML integration in iOS. Organized into two sections, the book's clearly-written chapters first cover fundamental ML concepts, the different types of ML systems, their practical uses, and the potential challenges of ML solutions. The second section teaches readers to use models—both pre-trained and user-built—with Apple's CoreML framework. Source code examples are provided for readers to download and use in their own projects. This book helps readers: Understand the theoretical concepts and practical applications of machine learning used in predictive data analytics Build, deploy, and maintain ML systems for tasks such as model validation, optimization, scalability, and real-time streaming Develop skills in data acquisition and modeling,

classification, and regression. Compare traditional vs. ML approaches, and machine learning on handsets vs. machine learning as a service (MLaaS) Implement decision tree based models, an instance-based machine learning system, and integrate Scikit-learn & Keras models with CoreML Machine Learning for iOS Developers is a must-have resource software engineers and mobile solutions architects wishing to learn ML concepts and implement machine learning on iOS Apps.

### **Deep Learning for Computer**

**Vision** Jason Brownlee  
2019-04-04 Step-by-step tutorials on deep learning neural networks for computer vision in python with Keras.

**Head First Programming** David Griffiths 2009-11-16 Looking for a reliable way to learn how to program on your own, without being overwhelmed by confusing concepts? Head First Programming introduces the

core concepts of writing computer programs -- variables, decisions, loops, functions, and objects -- which apply regardless of the programming language. This book offers concrete examples and exercises in the dynamic and versatile Python language to demonstrate and reinforce these concepts. Learn the basic tools to start writing the programs that interest you, and get a better understanding of what software can (and cannot) do. When you're finished, you'll have the necessary foundation to learn any programming language or tackle any software project you choose. With a focus on programming concepts, this book teaches you how to: Understand the core features of all programming languages, including: variables, statements, decisions, loops, expressions, and operators Reuse code with functions Use library code to save time and effort Select the best data structure to manage complex

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data Write programs that talk to the Web Share your data with other programs Write programs that test themselves and help you avoid embarrassing coding errors We think your time is too valuable to waste struggling with new concepts. Using the latest research in cognitive science and learning theory to craft a multi-sensory learning experience, Head First Programming uses a visually rich format designed for the way your brain works, not a text-heavy approach that puts you to sleep.

### *The Courage to Be Disliked*

Ichiro Kishimi 2018-05-08 “Marie Kondo, but for your brain.”

—HelloGiggles “Compelling from front to back. Highly recommend.” —Marc Andreessen

Reading this book could change your life. The Courage to Be Disliked, already an enormous bestseller in Asia with more than 3.5 million copies sold, demonstrates how to unlock the power within yourself to be the

person you truly want to be. Is happiness something you choose for yourself? The Courage to Be Disliked presents a simple and straightforward answer. Using the theories of Alfred Adler, one of the three giants of nineteenth-century psychology alongside Freud and Jung, this book follows an illuminating dialogue between a philosopher and a young man. Over the course of five conversations, the philosopher helps his student to understand how each of us is able to determine the direction of our own life, free from the shackles of past traumas and the expectations of others. Rich in wisdom, The Courage to Be Disliked will guide you through the concepts of self-forgiveness, self-care, and mind decluttering. It is a deeply liberating way of thinking, allowing you to develop the courage to change and ignore the limitations that you might be placing on yourself. This plainspoken and profoundly

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moving book unlocks the power within you to find lasting happiness and be the person you truly want to be. Millions have already benefited from its teachings, now you can too.

*Proceedings of Integrated Intelligence Enable Networks and Computing* Krishan Kant Singh Mer 2021-04-23 This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IINENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

**Swift Pocket Reference** Anthony Gray 2014-12-11 Get quick answers for developing and debugging applications with Swift, Apple's multi-paradigm programming language. This pocket reference is the perfect on-the-job tool for learning Swift's modern language features, including type safety, generics, type inference, closures, tuples, automatic memory management, and support for Unicode. Designed to work with Cocoa and Cocoa Touch, Swift can be used in tandem with Objective-C, and either of these languages can call APIs implemented in the other. Swift is still evolving, but it's clear that Apple sees it as the future language of choice for iOS and OS X software development. Topics include: Swift's Run-Eval-Print-Loop (REPL) and interactive playgrounds Supported data types, such as strings, arrays, and dictionaries Variables and constants Program flow: loops and

conditional execution Classes, structures, enumerations, functions, and protocols Closures: similar to blocks in Objective-C and lambdas in C# Optionals: values that can explicitly have no value Operators, operator overloading, and custom operators Access control: restricting access to types, methods, and properties Built-in global functions and their parameter requirements

*Artificial Intelligence for Information Management: A Healthcare Perspective* K. G. Srinivasa 2021-05-20 This book discusses the advancements in artificial intelligent techniques used in the well-being of human healthcare. It details the techniques used in collection, storage and analysis of data and their usage in different healthcare solutions. It also discusses the techniques of predictive analysis in early diagnosis of critical diseases. The edited book is divided into four

parts – part A discusses introduction to artificial intelligence and machine learning in healthcare; part B highlights different analytical techniques used in healthcare; part C provides various security and privacy mechanisms used in healthcare; and finally, part D exemplifies different tools used in visualization and data analytics.

*Machine Learning with Swift* Oleksandr Sosnovshchenko 2018-02-28 Leverage the power of machine learning and Swift programming to build intelligent iOS applications with ease Key Features Implement effective machine learning solutions for your iOS applications Use Swift and Core ML to build and deploy popular machine learning models Develop neural networks for natural language processing and computer vision Book Description Machine learning as a field promises to bring increased intelligence to the software by helping us learn and analyse

information efficiently and discover certain patterns that humans cannot. This book will be your guide as you embark on an exciting journey in machine learning using the popular Swift language. We'll start with machine learning basics in the first part of the book to develop a lasting intuition about fundamental machine learning concepts. We explore various supervised and unsupervised statistical learning techniques and how to implement them in Swift, while the third section walks you through deep learning techniques with the help of typical real-world cases. In the last section, we will dive into some hard core topics such as model compression, GPU acceleration and provide some recommendations to avoid common mistakes during machine learning application development. By the end of the book, you'll be able to develop intelligent applications written in

Swift that can learn for themselves. What you will learn  
Learn rapid model prototyping with Python and Swift Deploy pre-trained models to iOS using Core ML Find hidden patterns in the data using unsupervised learning Get a deeper understanding of the clustering techniques Learn modern compact architectures of neural networks for iOS devices Train neural networks for image processing and natural language processing Who this book is for iOS developers who wish to create smarter iOS applications using the power of machine learning will find this book to be useful. This book will also benefit data science professionals who are interested in performing machine learning on mobile devices. Familiarity with Swift programming is all you need to get started with this book.

Shivfit Way Shivoham 2017  
Shivoham is the trainer behind Aamir Khan's muscular look in

Dhoom 3, Sonakshi Sinha's bodacious curves in Dabangg, Jacqueline Fernandez's lean physique and Abhishek Bachchan's fitness. One of India's foremost functional fitness trainers, Shivoham shows you how to work out without any equipment or machines. In this book, he combines cardio, strength training and weight exercises for a full-body workout. Shivoham also offers a whole new perspective on what it means to be fit and how to motivate yourself to start exercising. The book outlines the eight basic movements of all exercises that will help you achieve a strong body. Accompanied by pictures for each exercise, advice on different diets, over 100 detailed workouts and an interactive section that will help you track your progress, The Shivfit Way will ensure you meet all your fitness goals. You won't just get back in shape, you'll also look forward to

working out.

**Disruptive Technology in Banking and Finance** Timothy King 2021-12-02 This book exemplifies the potential of FinTech to deliver important economic and societal gains, such as enhancing competition and financial inclusion to deliver tailored financial products and services at more affordable prices and at greater convenience. The emergence of FinTech directly challenges the business models of incumbent financial intermediaries like banks, which are adapting by developing their own FinTech offerings and partnering with FinTech and large technology firms. FinTech also constitutes both known and unknown risks to financial stability and challenges regulators to evaluate whether existing regulations are sufficient. The emergence of FinTech as a global phenomenon requires insightful cross-country analysis and different perspectives to evaluate

its development and associated opportunities and challenges. This book will be of interest to practitioners, regulators and students of this essential enabling technology that is a major component of the Fourth Industrial Revolution.

### **iPhone and iPad App 24-Hour**

**Trainer** Abhishek Mishra

2012-04-13

### **GMAT Math Prep Course**

Jeff Kolby 2021-01-15

Comprehensive Prep for GMAT Math. Every year, students pay \$1,000 and more to test prep companies to prepare for the math section of the GMAT. Now you can get the same preparation in a book. Although the GMAT math section is difficult, it is very learnable. GMAT Math Prep Course presents a thorough analysis of GMAT math and introduces numerous analytic techniques that will help you immensely, not only on the GMAT but in business school as well. Features: \* Comprehensive

Review: Twenty-three chapters provide complete review of GMAT math. \* Practice: Includes 164 examples and more than 600 exercises! Arranged from easy to medium to hard to very hard. \* Diagnostic Test: The diagnostic test measures your strengths and weaknesses and directs you to areas you need to study more. \* Performance: If your target is a 700+ score, this is the book!

### **Smart Systems and IoT:**

#### **Innovations in Computing**

Arun K. Somani 2020-10-27

The book features original papers from the 2nd International Conference on Smart IoT Systems: Innovations and Computing (SSIC 2019), presenting scientific work related to smart solution concepts. It discusses computational collective intelligence, which includes interactions between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It also describes how to successfully approach

various government organizations for funding for business and the humanitarian technology development projects. Thanks to the high-quality content and the broad range of the topics covered, the book appeals to researchers pursuing advanced studies.

### *Machine Learning for iOS*

*Developers* Abhishek Mishra

2020-02-12 Harness the power of Apple iOS machine learning (ML) capabilities and learn the concepts and techniques necessary to be a successful Apple iOS machine learning practitioner! Machine learning (ML) is the science of getting computers to act without being explicitly programmed. A branch of Artificial Intelligence (AI), machine learning techniques offer ways to identify trends, forecast behavior, and make recommendations. The Apple iOS Software Development Kit (SDK) allows developers to integrate ML services, such as speech

recognition and language translation, into mobile devices, most of which can be used in multi-cloud settings. Focusing on Apple's ML services, *Machine Learning for iOS Developers* is an up-to-date introduction to the field, instructing readers to implement machine learning in iOS applications. Assuming no prior experience with machine learning, this reader-friendly guide offers expert instruction and practical examples of ML integration in iOS. Organized into two sections, the book's clearly-written chapters first cover fundamental ML concepts, the different types of ML systems, their practical uses, and the potential challenges of ML solutions. The second section teaches readers to use models—both pre-trained and user-built—with Apple's CoreML framework. Source code examples are provided for readers to download and use in their own projects. This book

helps readers: Understand the theoretical concepts and practical applications of machine learning used in predictive data analytics Build, deploy, and maintain ML systems for tasks such as model validation, optimization, scalability, and real-time streaming Develop skills in data acquisition and modeling, classification, and regression. Compare traditional vs. ML approaches, and machine learning on handsets vs. machine learning as a service (MLaaS) Implement decision tree based models, an instance-based machine learning system, and integrate Scikit-learn & Keras models with CoreML Machine Learning for iOS Developers is a must-have resource software engineers and mobile solutions architects wishing to learn ML concepts and implement machine learning on iOS Apps.

**The 33 Strategies Of War** Robert Greene 2010-09-03 The third in Robert Greene's bestselling series

is now available in a pocket sized concise edition. Following 48 Laws of Power and The Art of Seduction, here is a brilliant distillation of the strategies of war to help you wage triumphant battles everyday. Spanning world civilisations, and synthesising dozens of political, philosophical, and religious texts, The Concise 33 Strategies of War is a guide to the subtle social game of everyday life. Based on profound and timeless lessons, it is abundantly illustrated with examples of the genius and folly of everyone from Napoleon to Margaret Thatcher and Hannibal to Ulysses S. Grant, as well as diplomats, captains of industry and Samurai swordsmen.

*Machine Learning in the AWS Cloud* Abhishek Mishra

2019-09-11 Put the power of AWS Cloud machine learning services to work in your business and commercial applications! Machine Learning in the AWS Cloud introduces readers to the

machine learning (ML) capabilities of the Amazon Web Services ecosystem and provides practical examples to solve real-world regression and classification problems. While readers do not need prior ML experience, they are expected to have some knowledge of Python and a basic knowledge of Amazon Web Services. Part One introduces readers to fundamental machine learning concepts. You will learn about the types of ML systems, how they are used, and challenges you may face with ML solutions. Part Two focuses on machine learning services provided by Amazon Web Services. You'll be introduced to the basics of cloud computing and AWS offerings in the cloud-based machine learning space. Then you'll learn to use Amazon Machine Learning to solve a simpler class of machine learning problems, and Amazon SageMaker to solve more complex problems. • Learn

techniques that allow you to preprocess data, basic feature engineering, visualizing data, and model building • Discover common neural network frameworks with Amazon SageMaker • Solve computer vision problems with Amazon Rekognition • Benefit from illustrations, source code examples, and sidebars in each chapter The book appeals to both Python developers and technical/solution architects. Developers will find concrete examples that show them how to perform common ML tasks with Python on AWS. Technical/solution architects will find useful information on the machine learning capabilities of the AWS ecosystem. *Swift Pocket Reference* Anthony Gray 2015-11-12 Get quick answers for developing and debugging applications with Swift, Apple's multi-paradigm programming language. Updated to cover the latest features in

Swift 2.0, this pocket reference is the perfect on-the-job tool for learning Swift's modern language features, including type safety, generics, type inference, closures, tuples, automatic memory management, and support for Unicode. Designed to work with Cocoa and Cocoa Touch, Swift can be used in tandem with Objective-C, and either language can call APIs implemented in the other. Swift is still evolving, but Apple clearly sees it as the future language of choice for iOS and OS X software development. Topics include: Supported data types, such as strings, arrays, array slices, sets, and dictionaries Program flow: loops, conditional execution, and error handling Classes, structures, enumerations, and functions Protocols, extensions, and generics Memory management Closures: similar to blocks in Objective-C and lambdas in C# Optionals: values that can explicitly have no value

Operators, operator overloading, and custom operators Access control: restricting access to types, methods, and properties Ranges, intervals, and strides A full list of built-in global functions and their parameter requirements

### **Advances in Machine Learning and Computational Intelligence**

Srikanta Patnaik 2020-07-25 This book gathers selected high-quality papers presented at the International Conference on Machine Learning and Computational Intelligence (ICMLCI-2019), jointly organized by Kunming University of Science and Technology and the Interscience Research Network, Bhubaneswar, India, from April 6 to 7, 2019. Addressing virtually all aspects of intelligent systems, soft computing and machine learning, the topics covered include: prediction; data mining; information retrieval; game playing; robotics; learning methods; pattern visualization; automated knowledge

acquisition; fuzzy, stochastic and probabilistic computing; neural computing; big data; social networks and applications of soft computing in various areas.

CISA Exam-Study Guide by Hemang Doshi Hemang Doshi 2018-07-02 After launch of Hemang Doshi's CISA Video series, there was huge demand for simplified text version for CISA Studies. This book has been designed on the basis of official resources of ISACA with more simplified and lucid language and explanation. Book has been designed considering following objectives:\* CISA aspirants with non-technical background can easily grasp the subject. \* Use of SmartArts to review topics at the shortest possible time.\* Topics have been profusely illustrated with diagrams and examples to make the concept more practical and simple. \* To get good score in CISA, 2 things are very important. One is to understand the concept and second is how to

deal with same in exam. This book takes care of both the aspects.\* Topics are aligned as per official CISA Review Manual. This book can be used to supplement CRM.\* Questions, Answers & Explanations (QAE) are available for each topic for better understanding. QAEs are designed as per actual exam pattern. \* Book contains last minute revision for each topic. \* Book is designed as per exam perspective. We have purposefully avoided certain topics which have nil or negligible weightage in cisa exam. To cover entire syllabus, it is highly recommended to study CRM.\* We will feel immensely rewarded if CISA aspirants find this book helpful in achieving grand success in academic as well as professional world.

**Machine Learning, Advances in Computing, Renewable Energy and Communication** Anuradha

Tomar 2021-08-19 This book gathers selected papers presented

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at International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC 2020), held in Krishna Engineering College, Ghaziabad, India, during December 17–18, 2020. This book discusses key concepts, challenges, and potential solutions in connection with established and emerging topics in advanced computing, renewable energy, and network communications.

### **Mastering Azure Serverless**

**Computing** Abhishek Mishra  
2020-07-31 A comprehensive guide that will teach you to build and implement Azure serverless solutions

KEY FEATURES

- Learn the Function as a Service (FaaS) offering from Microsoft Azure
- Build Enterprise-grade workflows and integration using Azure Logic App
- Build event-driven Serverless solutions using Azure Event Grid
- Use Azure Service Bus to facilitate messaging between Azure

Serverless components -

Implement advanced Serverless services such as Azure Serverless SQL Database and Azure Serverless Kubernetes

DESCRIPTION

The book starts with the basic concepts of Serverless Computing, its evolution, characteristics, and benefits. The next set of chapters is based on Azure Function as a Service (FaaS) programming model where you will gain proficiency in creating Serverless Azure Function, which is the basic unit of Azure Serverless Computing. Furthermore, the book focuses on building Azure Serverless Messaging, Integration, and Workflow that facilitates communication between components in the Azure Serverless ecosystem. Azure Logic Apps, Azure Event Grid, and Azure Service Bus are explained in detail. You will also work with advanced Azure Serverless services such as Azure Serverless Database and Azure

Serverless Kubernetes that are essential for building highly scalable (at runtime) next-generation Serverless applications. Towards the end, the book focuses on reference architectures for Serverless Computing scenarios. By now, you will be proficient in working with Azure Serverless components, and their integration and can design and build an end to end Azure Serverless solution.

## WHAT WILL YOU

LEARN - Design and implement Serverless workflows using Azure Logic Apps - Design and implement Integration Services using Azure Event Grid - Learn how to build Messaging Services on Azure Serverless platform - Work with Azure Serverless SQL database - Get familiar with Azure Serverless Kubernetes Architecture

## WHO THIS BOOK IS FOR

Anyone familiar with Cloud Fundamentals can use this book to get upskilled in Azure

Serverless Computing and become an expert in it. Architects and Developers proficient in Microsoft Azure can use this book to learn Azure Serverless Computing and apply the knowledge gained to design and build solutions in this area.

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## Building Secure and Reliable Systems

Heather Adkins  
2020-03-16 Can a system be considered truly reliable if it isn't fundamentally secure? Or can it be considered secure if it's unreliable? Security is crucial to the design and operation of scalable systems in production, as

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it plays an important part in product quality, performance, and availability. In this book, experts from Google share best practices to help your organization design scalable and reliable systems that are fundamentally secure. Two previous O'Reilly books from Google—Site Reliability Engineering and The Site Reliability Workbook—demonstrated how and why a commitment to the entire service lifecycle enables organizations to successfully build, deploy, monitor, and maintain software systems. In this latest guide, the authors offer insights into system design, implementation, and maintenance from practitioners who specialize in security and reliability. They also discuss how building and adopting their recommended best practices requires a culture that's supportive of such change. You'll learn about secure and reliable

systems through: Design strategies Recommendations for coding, testing, and debugging practices Strategies to prepare for, respond to, and recover from incidents Cultural best practices that help teams across your organization collaborate effectively

**ICoRD'13** Amaresh Chakrabarti  
2013-01-12 This book showcases over 100 cutting-edge research papers from the 4th International Conference on Research into Design (ICoRD'13) – the largest in India in this area – written by eminent researchers from over 20 countries, on the design process, methods and tools, for supporting global product development (GPD). The special features of the book are the variety of insights into the GPD process, and the host of methods and tools at the cutting edge of all major areas of design research for its support. The main benefit of this book for researchers in engineering design and GPD are

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access to the latest quality research in this area; for practitioners and educators, it is exposure to an empirically validated suite of methods and tools that can be taught and practiced.

Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences Mayank Dave

2021-02-19 This book presents best selected papers presented at the International Conference on Paradigms of Computing,

Communication and Data Sciences (PCCDS 2020), organized by National Institute of Technology, Kurukshetra, India, during 1–3 May 2020. It discusses high-quality and cutting-edge research in the areas of advanced computing, communications and data science techniques. The book is a collection of latest research articles in computation algorithm, communication and data sciences, intertwined with each other for efficiency.