Head First Ruby

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Higher-Order Perl - Mark Jason Dominus
2005-03-31
Most Perl programmers were originally trained as C and Unix programmers, so the Perl programs that they write bear a strong resemblance to C programs. However, Perl incorporates many features that have their roots in other languages such as Lisp. These advanced features are not well understood and are rarely used by most Perl programmers, but they are very powerful. They can automate tasks in everyday programming that are difficult to solve in any other way. One of the most powerful of these techniques is writing functions that

manufacture or modify other functions. For example, instead of writing ten similar functions, a programmer can write a general pattern or framework that can then create the functions as needed according to the pattern. For several years Mark Jason Dominus has worked to apply functional programming techniques to Perl. Now Mark brings these flexible programming methods that he has successfully taught in numerous tutorials and training sessions to a wider audience. * Introduces powerful programming methods new to most Perl programmers that were previously the domain of computer scientists * Gradually builds up confidence by describing techniques of progressive sophistication * Shows how to improve everyday programs and includes numerous engaging code examples to illustrate the methods

Intro To Ruby Programming - John Elder 2016-05-10
Learning Ruby has never been this fast and easy, or fun!Veteran Codemy.com programmer John Elder walks you step by step through the ins and outs of Ruby Programming. Written for the absolute beginner, you don't need any programming experience to dive in and get started with this book. Follow along as John teaches you to set up a development environment and write your first program. You'll learn about Variables, Math, IF/THEN Statements, Array, Hashes, Loops, Methods and much more.By the end, you'll be well on your way to becoming a professional Ruby coder!Build on your skills with practice exercises at the end of each chapter and build a math flashcard game using all the skills you've learned throughout the book. It really is this easy to learn Ruby!*AUTHOR UPDATE: C9, the development environment we used in the book, was purchased by Amazon and is no longer accepting new users unless you sign up through my education account at Codemy.com/c9

Head First JavaScript Programming - Eric

Freeman 2014-03-26
What will you learn from this book? This brain-friendly guide teaches you everything from JavaScript language fundamentals to advanced topics, including objects, functions, and the browser's document object model. You won't just be reading—you'll be playing games, solving puzzles, pondering mysteries, and interacting with JavaScript in ways you never imagined. And you'll write real code, lots of it, so you can start building your own web applications. Prepare to open your mind as you learn (and nail) key topics including: The inner details of JavaScript How JavaScript works with the browser The secrets of JavaScript types Using arrays The power of functions How to work with objects Making use of prototypes Understanding closures Writing and testing applications What's so special about this book? 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 JavaScript Programming uses a visually rich format designed for the way your brain works, not a text-heavy approach that puts you to sleep. This book replaces Head First JavaScript, which is now out of print.

Practical Object-oriented Design in Ruby - Sandi Metz 2013
The Complete Guide to Writing More Maintainable, Manageable, Pleasing, and Powerful Ruby Applications Ruby's widely admired ease of use has a downside: Too many Ruby and Rails applications have been created without concern for their long-term maintenance or evolution. The Web is awash in Ruby code that is now virtually impossible to change or extend. This text helps you solve that problem by using powerful real-world object-oriented design techniques, which it thoroughly explains using simple and practical Ruby examples. This book focuses squarely on object-oriented Ruby application design. Practical Object-Oriented

Design in Ruby will guide you to superior outcomes, whatever your previous Ruby experience. Novice Ruby programmers will find specific rules to live by; intermediate Ruby programmers will find valuable principles they can flexibly interpret and apply; and advanced Ruby programmers will find a common language they can use to lead development and guide their colleagues. This guide will help you Understand how object-oriented programming can help you craft Ruby code that is easier to maintain and upgrade Decide what belongs in a single Ruby class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply inheritance Build objects via composition Design cost-effective tests Solve common problems associated with poorly designed Ruby code

Head First Ruby - Jay McGavren 2015-08-21
What will you learn from this book? What's all the buzz about this Ruby language? Is it right for you? Well, ask yourself: are you tired of all those extra declarations, keywords, and compilation steps in your other language? Do you want to be a more productive programmer? Then you'll love Ruby. With this unique hands-on learning experience, you'll discover how Ruby takes care of all the details for you, so you can simply have fun and get more done with less code. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Ruby uses a visually rich format to engage your mind, rather than a text-heavy approach to put you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

Ruby on Rails: Up and Running - Bruce Tate 2006-08-22
Ruby on Rails is the super-productive new way to develop full-featuredweb applications. With Ruby on Rails, powerful web applications

thatonce took weeks or months to develop can now be produced in a matter ofdays. If it sounds too good to be true, it isn't. If you're like a lot of web developers, you've probably consideredkicking the tires on Rails - the framework of choice for the newgeneration of Web 2.0 developers. Ruby on Rails: Up and Running takes you out for a test drive and shows you just how fastRuby on Rails can go. This compact guide teaches you the basics of installing and using boththe Ruby scripting language and the Rails framework for the quickdevelopment of web applications. Ruby on Rails: Up andRunning covers just about everything youneed - from making a simple database-backed application toadding elaborate Ajaxian features and all the juicy bits in between.While Rails is praised for its simplicity and speed of development,there are still a few steps to master on the way. More advancedmaterial helps you map data to an imperfect table, traverse complexrelationships, and build custom finders. A section on working with Ajaxand REST shows you how to exploit the Rails service frameworks to sendemails, implement web services, and create dynamic user-centric webpages. The book also explains the essentials of logging to findperformance problems and delves into other performance-optimizingtechniques. As new web development frameworks go, Ruby on Rails is the talk of thetown. And Ruby on Rails: Up and Running can makesure you're in on the discussion.

Ruby Best Practices - Gregory T Brown 2009-06-11
How do you write truly elegant code with Ruby? Ruby Best Practices is for programmers who want to use Ruby as experienced Rubyists do. Written by the developer of the Ruby project Prawn, this concise book explains how to design beautiful APIs and domain-specific languages with Ruby, as well as how to work with functional programming ideas and techniques that can simplify your code and make you more

productive. You'll learn how to write code that's readable, expressive, and much more. Ruby Best Practices will help you: Understand the secret powers unlocked by Ruby's code blocks Learn how to bend Ruby code without breaking it, such as mixing in modules on the fly Discover the ins and outs of testing and debugging, and how to design for testability Learn to write faster code by keeping things simple Develop strategies for text processing and file management, including regular expressions Understand how and why things can go wrong Reduce cultural barriers by leveraging Ruby's multilingual capabilities This book also offers you comprehensive chapters on driving code through tests, designing APIs, and project maintenance. Learn how to make the most of this rich, beautiful language with Ruby Best Practices.

□□□□ Ruby - Jay McGavren 2017

Head First SQL - Lynn Beighley 2007-08-28
Presents an instructional guide to SQL which uses humor and simple images to cover such topics as the structure of relational databases, simple and complex queries, creating multiple tables, and protecting important table data.
Ruby - Robert Dwight 2016-05-12
Learn Ruby In 24 Hours Or Less! In this book you will find the fundamental aspects of the Ruby programming language. It will explain theories and lessons through detailed instructions and practical examples. With this eBook, you'll learn how to get Ruby, how to write Ruby statements, and how to use this language in creating your own programs. If you're searching for a comprehensive learning material for Ruby, this is the book you need. With the help of the important ideas and practical examples contained within, you will be able to master Ruby quickly even if you have never programmed anything before. By reading this material, you will become an effective Ruby programmer in 24 hours (or even less). Here are some of the things you'll learn from this eBook:

How to download the right version of Ruby for your computer The fundamental principles of Ruby programming The methods that you can use in Ruby How to handle program exceptions The syntax of Ruby commands How to create loops, iterators, classes, objects, variables, and many more You can certainly benefit from this eBook even if you have never programmed anything before. This eBook will teach you the basics of Ruby programming and give you the syntax of important Ruby commands. If you want to become a skilled Ruby programmer in just 24 hours, get this eBook now and read it carefully. In addition you will find inside: Collections Of Data The Sharing Functionalities Of Ruby The Regular Expressions The Methods Of The Ruby Language Ruby Expressions The Basic I/O Of Ruby And Much, Much More... Get Your Copy Right Now!

The Case of the Ruby Slippers - Martha Freeman 2013-09-03
Aunt Jen, the official White House hostess, is being thrown a surprise party with a Wizard of Oz theme. A dog that looks just like Toto will be there -- and so will the famous ruby slippers that Judy Garland wore in the movie. But when the box arrives from the Smithsonian Museum, the slippers aren't in it! Never fear, First Kids Cammie and Tessa are on the case. White House dog Hooligan finds one slipper, but no one know where or how. A surprising revelation reveals the thief's identity. Filled with humor and White House inside information, this third First Kids Mystery is exciting from start to finish.

Head First Learn to Code - Eric Freeman 2018-01-02
What will you learn from this book? It's no secret the world around you is becoming more connected, more configurable, more programmable, more computational. You can remain a passive participant, or you can learn to code. With Head First Learn to Code you'll learn how to think computationally and how to write code to make your computer, mobile device, or

anything with a CPU do things for you. Using the Python programming language, you'll learn step by step the core concepts of programming as well as many fundamental topics from computer science, such as data structures, storage, abstraction, recursion, and modularity. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Learn to Code uses a visually rich format to engage your mind, rather than a text-heavy approach that puts you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

Saving Ruby King - Catherine Adel West 2020-06-16
Named a Most Anticipated Book of 2020 by Ms. Magazine, USA Today Book Riot, The Rumpus, Library Journal, PureWow, The Every Girl, Parade and more. "Forever and to the end. That's what they say instead of I love you." When Ruby King's mother is found murdered in their home in Chicago's South Side, the police dismiss it as another act of violence in a black neighborhood. But for Ruby, it's a devastating loss that leaves her on her own with her violent father. While she receives many condolences, her best friend, Layla, is the only one who understands how this puts Ruby in jeopardy. Their closeness is tested when Layla's father, the pastor of their church, demands that Layla stay away. But what is the price for turning a blind eye? In a relentless quest to save Ruby, Layla uncovers the murky loyalties and dangerous secrets that have bound their families together for generations. Only by facing this legacy of trauma head-on will Ruby be able to break free. An unforgettable debut novel, Saving Ruby King is a powerful testament that history doesn't determine the present and the bonds of friendship can forever shape the future.

The Ruby Way - Hal Fulton 2015-02-11
For more than a decade, Ruby developers have turned to The Ruby Way for reliable "how-to"

guidance on effective Ruby programming. Now, Hal Fulton and André Arko have thoroughly updated this classic guide to cover new language enhancements and developers' experiences through Ruby 2.1. The new edition illuminates Ruby 2.1 through 400+ examples, each answering the question: "How do I do this in Ruby?" For each example, they present both a task description and realistic technical constraints. Next, they walk step-by-step through presenting one good solution, offering detailed explanations to promote deeper understanding. Conveniently organized by topic, The Ruby Way, Third Edition makes it easier than ever to find the specific solution you want—and to write better code by reflecting Ruby's unique philosophy and spirit. Coverage includes Ruby 2.1 overview: terminology, philosophy, and basic principles Best practices for strings and regular expressions Efficiently internationalizing your code Performing calculations (including trigonometry, calculus, statistics, and time/date calculations) Working with "Rubyesque" objects such as symbols and ranges Using arrays, hashes, stacks, queues, trees, graphs, and other data structures Efficiently storing data with YAML, JSON, and SQLite3 Leveraging object-oriented and dynamic features, from multiple constructors to program inspection Building GUIs with Shoes 4, Ruby/Tk, Ruby/GTK3, QtRuby, and other toolkits Improving thread performance by understanding Ruby's synchronization methods and avoiding its pitfalls Automating system administration with Ruby Data formats: JSON, XML, RSS, Atom, RMagick, PDF, and more Testing and debugging with RSpec, Minitest, Cucumber, byebug, and pry Measuring Ruby program performance Packaging and distributing code, and managing dependencies with Bundler Network programming: clients, time servers, POP, SMTP, IMAP, Open-URI Web applications: HTTP servers, Rails, Sinatra, HTML generation, and more Writing distributed Ruby software with drb

Choosing modern development tools that maximize your productivity All source code for this book may be downloaded at www.rubyhacker.com. informit.com/aw informit.com/ruby rubyhacker.com/therubyway therubyway.io

Computer Science Programming Basics in Ruby - Ophir Frieder 2013-04-18
If you know basic high-school math, you can quickly learn and apply the core concepts of computer science with this concise, hands-on book. Led by a team of experts, you'll quickly understand the difference between computer science and computer programming, and you'll learn how algorithms help you solve computing problems. Each chapter builds on material introduced earlier in the book, so you can master one core building block before moving on to the next. You'll explore fundamental topics such as loops, arrays, objects, and classes, using the easy-to-learn Ruby programming language. Then you'll put everything together in the last chapter by programming a simple game of tic-tac-toe. Learn how to write algorithms to solve real-world problems Understand the basics of computer architecture Examine the basic tools of a programming language Explore sequential, conditional, and loop programming structures Understand how the array data structure organizes storage Use searching techniques and comparison-based sorting algorithms Learn about objects, including how to build your own Discover how objects can be created from other objects Manipulate files and use their data in your software

Head First Ruby - Jay McGavren 2015-08-21
What will you learn from this book? What's all the buzz about this Ruby language? Is it right for you? Well, ask yourself: are you tired of all those extra declarations, keywords, and compilation steps in your other language? Do you want to be a more productive programmer? Then you'll love Ruby. With this unique hands-on learning experience, you'll discover how Ruby takes care

of all the details for you, so you can simply have fun and get more done with less code. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Ruby uses a visually rich format to engage your mind, rather than a text-heavy approach to put you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

Beginning Ruby - Peter Cooper 2017-01-11 Based on the bestselling first edition, Beginning Ruby: From Novice to Professional, Second Edition is the leading guide for every type of reader who wants to learn Ruby from the ground up. The new edition of this book provides the same excellent introduction to Ruby as the first edition plus updates for the newest version of Ruby, including the addition of the Sinatra and Ramaze web application frameworks and a chapter on GUI development so developers can take advantage of these new trends. Beginning Ruby starts by explaining the principles behind object-oriented programming and within a few chapters builds toward creating a full Ruby application. By the end of the book, in addition to in-depth knowledge of Ruby, you'll also have basic understanding of many ancillary technologies such as SQL, XML, web frameworks, and networking. Introduces readers to the Ruby programming language Takes readers from basic programming skills to web development with topics like Ruby-based frameworks and GUI programming Covers many ancillary technologies in order to provide a broader picture (e.g., databases, XML, network daemons)

Head First Go - Jay McGavren 2019-04-04 What will you learn from this book? Go makes it easy to build software that's simple, reliable, and efficient. Andthis book makes it easy for programmers like you to get started. Googledesigned Go for high-performance networking and multiprocessing, but—like

Python and JavaScript—the language is easy to read and use. With thispractical hands-on guide, you'll learn how to write Go code using clearexamples that demonstrate the language in action. Best of all, you'll understandthe conventions and techniques that employers want entry-level Godevelopers to know. Why does this book look so different? Based on the latest research in cognitive science and learning theory, HeadFirst Go uses a visually rich format to engage your mind rather than a textheavyapproach that puts you to sleep. Why waste your time struggling withnew concepts? This multisensory learning experience is designed for theway your brain really works.

Head First Object-Oriented Analysis and Design - Brett McLaughlin 2006-11-27 "Head First Object Oriented Analysis and Design is a refreshing look at subject of OOAD. What sets this book apart is its focus on learning. The authors have made the content of OOAD accessible, usable for the practitioner." Ivar Jacobson, Ivar Jacobson Consulting "I just finished reading HF OOA&D and I loved it! The thing I liked most about this book was its focus on why we do OOA&D-to write great software!" Kyle Brown, Distinguished Engineer, IBM "Hidden behind the funny pictures and crazy fonts is a serious, intelligent, extremely well-crafted presentation of OO Analysis and Design. As I read the book, I felt like I was looking over the shoulder of an expert designer who was explaining to me what issues were important at each step, and why." Edward Sciore,Associate Professor, Computer Science Department, Boston College Tired of reading Object Oriented Analysis and Design books that only makes sense after you're an expert? You've heard OOA&D can help you write great software every time-software that makes your boss happy, your customers satisfied and gives you more time to do what makes you happy. But how? Head First Object-Oriented Analysis & Design shows you how to analyze, design, and write serious object-

oriented software: software that's easy to reuse, maintain, and extend; software that doesn't hurt your head; software that lets you add new features without breaking the old ones. Inside you will learn how to: Use OO principles like encapsulation and delegation to build applications that are flexible Apply the Open-Closed Principle (OCP) and the Single Responsibility Principle (SRP) to promote reuse of your code Leverage the power of design patterns to solve your problems more efficiently Use UML, use cases, and diagrams to ensure that all stakeholders arecommunicating clearly to help you deliver the right software that meets everyone's needs. By exploiting how your brain works, Head First Object-Oriented Analysis & Design compresses the time it takes to learn and retain complex information. Expect to have fun, expect to learn, expect to be writing great software consistently by the time you're finished reading this!
Why's (Poignant) Guide to Ruby - Why The Lucky

Stiff 2020-06

Ruby for Beginners - iCode Academy 2017-05-25 Are You Ready To Learn Ruby Easily? This book aims to guide a complete novice in Ruby programming. This book is carefully crafted to aid the new or inexperienced programmer in learning to write a code in Ruby language. If you are someone who somehow developed a fear to explore the unknown and still interested in learning Ruby programming, then this book can truly help you. This book covers everything that a beginner in Ruby programming should learn. Understand that programming offers an infinite amount of information and knowledge. However, this book understands that it may overwhelm a mere beginner in programming if it tackles even the advanced features of the Ruby language. This book can help you build a solid, basic knowledge in programming that can help you a lot when you begin to write your own program in Ruby language. You can use the acquired

knowledge to pursue or learn more about Ruby's advanced concepts later on. For now, just concentrate on the basics and make sure to absorb every lesson before you go to the next one. Practice makes perfect and this book provides a lot of practice programs or exercises that can help you enhance your experience in Ruby programming. The exercises are simple and easy to understand to help you comprehend the lesson quickly. You also need to take note of the error messages that you may encounter. Let them serve as your guide so you can avoid the same mistake in the future or help you resolve the same error when you encounter them once more. Learning Ruby programming in 7 days is not something impossible to accomplish. Even a person with a little or no experience with any programming language can learn it within those days. As you go through each lesson, you will notice that it is quite easy to understand. It becomes much simpler when you have patience and discipline. Understand that you will be able

to learn the Ruby basics in 7 days, but that won't make you an instant expert. You still need to practice and work your way in discovering the cool things that you can do with Ruby as you go along. Even expert programmers need to spend ample time in honing their programming skills. Before you know it, you are ready to create a more complex program. This book presents everything that a novice may need in understanding the basic Ruby programming. It is presented in such a way that anyone without prior programming knowledge will find it easy to understand - most technical jargons were kept to minimal, and they are the terminologies that you will likely encounter once you have started writing your program. Here's What You'll Learn From This Ruby For Beginners Book: ⬜ Chapter 1: Getting acquainted with ruby ⬜ Chapter 2: Initial Preparations ⬜ Chapter 3: Start with the Basics ⬜ Chapter 4: Ruby Variables ⬜ Chapter 5: All About Methods ⬜ Chapter 6: Flow Control ⬜ Chapter 7: Iterators and Loops ⬜ Chapter 8:

More on Arrays and Hashes What Are You Waiting For? Start Coding Ruby Right Now!
Ruby (Oprah's Book Club 2.0) - Cynthia Bond
2015-02-10
A New York Times bestseller and Oprah Book Club 2.0 selection, the epic, unforgettable story of a man determined to protect the woman he loves from the town desperate to destroy her. This beautiful and devastating debut heralds the arrival of a major new voice in fiction. Ephram Jennings has never forgotten the beautiful girl with the long braids running through the piney woods of Liberty, their small East Texas town. Young Ruby Bell, "the kind of pretty it hurt to look at," has suffered beyond imagining, so as soon as she can, she flees suffocating Liberty for the bright pull of 1950s New York. Ruby quickly winds her way into the ripe center of the city—the darkened piano bars and hidden alleyways of the Village—all the while hoping for a glimpse of the red hair and green eyes of her mother. When a telegram from her cousin forces her to return home, thirty-year-old Ruby finds herself reliving the devastating violence of her girlhood. With the terrifying realization that she might not be strong enough to fight her way back out again, Ruby struggles to survive her memories of the town's dark past. Meanwhile, Ephram must choose between loyalty to the sister who raised him and the chance for a life with the woman he has loved since he was a boy. Full of life, exquisitely written, and suffused with the pastoral beauty of the rural South, Ruby is a transcendent novel of passion and courage. This wondrous page-turner rushes through the red dust and gossip of Main Street, to the pit fire where men swill bootleg outside Bloom's Juke, to Celia Jennings's kitchen, where a cake is being made, yolk by yolk, that Ephram will use to try to begin again with Ruby. Utterly transfixing, with unforgettable characters, riveting suspense, and breathtaking, luminous prose, Ruby offers an unflinching portrait of man's dark acts and the promise of the redemptive power of

love. Ruby was a finalist for the PEN America Robert Bingham Debut Novel Award, a Barnes & Noble Discover Great New Writers selection, and an Indie Next Pick.

Programming Ruby - David Thomas 2004
A tutorial and reference to the object-oriented programming language for beginning to experienced programmers, updated for version 1.8, describes the language's structure, syntax, and operation, and explains how to build applications. Original. (Intermediate)

The Romance Recipe - Ruby Barrett 2022-07-12
"Ruby Barrett's writing leaves me breathless." —Rosie Danan A fiery restaurant owner falls for her enigmatic head chef in this charming, emotional romance Amy Chambers: restaurant owner, micromanager, control freak. Amy will do anything to revive her ailing restaurant, including hiring a former reality-show finalist with good connections and a lot to prove. But her hopes that Sophie's skills and celebrity status would bring her restaurant back from the brink of failure are beginning to wane… Sophie Brunet: grump in the kitchen/sunshine in the streets, took thirty years to figure out she was queer. Sophie just wants to cook. She doesn't want to constantly post on social media for her dead-in-the-water reality TV career, she doesn't want to deal with Amy's take-charge personality and she doesn't want to think about what her attraction to her boss might mean… Then, an opportunity: a new foodie TV show might provide the exposure they need. An uneasy truce is fine for starters, but making their dreams come true means making some personal and painful sacrifices and soon, there's more than just the restaurant at stake. Carina Adores is home to romantic love stories where LGBTQ+ characters find their happily-ever-afters. Book 1: Hot Copy Book 2: The Romance Recipe

Ruby Bridges and the Desegregation of American Schools - Duchess Harris 2018-12-15
In 1960, six-year-old Ruby Bridges walked into William Frantz Elementary School in New

Orleans, Louisiana. She became the first black student to attend the previously all-white school. This event paved the way for widespread school desegregation in the South. Ruby Bridges and the Desegregation of American Schools explores Bridges's legacy. Aligned to Common Core Standards and correlated to state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO.

Head First Rails - David Griffiths 2009
With the bestselling Head First approach, web application developers quickly learn how to build database-centric applications using the Rails framework.

The Five People You Meet in Heaven - Mitch Albom 2007-04-01
Eddie is a wounded war veteran, an old man who has lived, in his mind, an uninspired life. His job is fixing rides at a seaside amusement park. On his 83rd birthday, a tragic accident kills him, as he tries to save a little girl from a falling cart. He awakes in the afterlife, where he learns that heaven is not a destination. It's a place where your life is explained to you by five people, some of whom you knew, others who may have been strangers. One by one, from childhood to soldier to old age, Eddie's five people revisit their connections to him on earth, illuminating the mysteries of his "meaningless" life, and revealing the haunting secret behind the eternal question: "Why was I here?"

Head First Go - Jay McGavren 2019-05
Go represents an attempt to improve on some weaknesses of traditional compiled programming languages. It de-emphasizes or removes error-prone language structures like class inheritance and exception handling. It features great concurrency support and automatic memory management (garbage collection). Existing Go books tend to be highly technical in nature, teaching all aspects of the language regardless of their relevance to beginners. This book, rather than talking about the features of Go in abstract terms, features

simple, clear examples that demonstrate Go in action, and diagrams to explain difficult concepts. This book will not only teach developers basic language features, it will get them comfortable consulting error output, documentation, and search engines to find solutions to problems. It will teach all the conventions and techniques that employers expect an entry-level Go developer to know.

Ruby, Head High - Irene Cohen-Janca 2019-01-08
Inspired by an iconic Norman Rockwell painting and translated from an original French text, this is a story about the day a little girl held her head high and changed the world.

The Well-Grounded Rubyist - Joe Leo 2019-03-05
Summary The Well-Grounded Rubyist, Third Edition is a beautifully written tutorial that begins with your first Ruby program and takes you all the way to sophisticated topics like reflection, threading, and recursion. Ruby masters David A. Black and Joe Leo distill their years of knowledge for you, concentrating on the language and its uses so you can use Ruby in any way you choose. Updated for Ruby 2.5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Designed for developer productivity, Ruby is an easy-to-learn dynamic language perfect for creating virtually any kind of software. Its famously friendly development community, countless libraries, and amazing tools, like the Rails framework, have established it as the language of choice for high-profile companies, including GitHub, SlideShare, and Shopify. The future is bright for the well-grounded Rubyist! About the Book In The Well-Grounded Rubyist, Third Edition, expert authors David A. Black and Joseph Leo deliver Ruby mastery in an easy-to-read, casual style. You'll lock in core principles as you write your first Ruby programs. Then, you'll progressively build up to topics like reflection, threading, and

recursion, cementing your knowledge with high-value exercises to practice your skills along the way. What's Inside Basic Ruby syntax Running Ruby extensions FP concepts like currying, side-effect-free code, and recursion Ruby 2.5 updates About the Reader For readers with beginner-level programming skills. About the Authors David A. Black is an internationally known Ruby developer and author, and a cofounder of Ruby Central. Ruby teacher and advocate Joseph Leo III is the founder of Def Method and lead organizer of the Gotham Ruby Conference. Table of Contents PART 1 RUBY FOUNDATIONS Bootstrapping your Ruby literacy Objects, methods, and local variables Organizing objects with classes Modules and program organization The default object (self), scope, and visibility Control-flow techniques PART 2 BUILT-IN CLASSES AND MODULES Built-in essentials Strings, symbols, and other scalar objects Collection and container objects Collections central: Enumerable and Enumerator Regular expressions and regexp-based string operations File and I/O operations PART 3 RUBY DYNAMICS Object individuation Callable and runnable objects Callbacks, hooks, and runtime introspection Ruby and functional programming

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 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. Comprehensive Ruby Programming - Jordan Hudgens 2017-06-30
This book will provide you with all of the tools you need to be a professional Ruby developer. Starting with the core principles, such as syntax and best practices, and up to advanced topics like metaprogramming and big data analysis. About This Book Provides the core skills required to become a Ruby programmer Covers how to use the most popular Ruby Gem libraries Includes details on regular expressions Who This Book Is For This is a complete course written from the ground up for beginners wanting to gain a solid understanding of the Ruby language. It starts at the beginning with how to install Ruby and work with it on multiple machines, so simply have a computer that's connected to the Internet and you'll be ready. What You Will Learn Learn how to use Ruby code effectively, picking the right tool for the job and not duplicating built-in functionality Gain best software development practices, and how to identify and fix common errors Absorb core programming skills, such as variables, strings, loops, conditionals, and much more Explore

object-oriented programming and learn to create modular, reusable code that you can use across projects Build 10 practical Ruby programs as you work through the book on topics such as big data analysis and solving Euler equations In Detail Ruby is a powerful, general-purpose programming language that can be applied to any task. Whether you are an experienced developer who wants to learn a new language or you are new to programming, this book is your comprehensive Ruby coding guide. Starting with the foundational principles, such as syntax, and scaling up to advanced topics such as big data analysis, this book will give you all of the tools you need to be a professional Ruby developer. A few of the key topics are: object-oriented programming, built-in Ruby methods, core programming skills, and an introduction to the Ruby on Rails and Sinatra web frameworks. You will also build 10 practical Ruby programs. Created by an experienced Ruby developer, this book has been written to ensure it focuses on the skills you will need to be a professional Ruby developer. After you have read this book, you will be ready to start building real-world Ruby projects. Style and approach This is a comprehensive course for learning the Ruby programming language that works methodically through everything that you need to know. It begins with the basics of the language and then works through some complete projects to apply your skills and ensure that you have fully absorbed them and can use them in the real world.

Head First Python - Paul Barry 2016-11-21 Want to learn the Python language without slogging your way through how-to manuals? With Head First Python, you'll quickly grasp Python's fundamentals, working with the built-in data structures and functions. Then you'll move on to building your very own webapp, exploring database management, exception handling, and data wrangling. If you're intrigued by what you can do with context managers, decorators,

comprehensions, and generators, it's all here. This second edition is a complete learning experience that will help you become a bonafide Python programmer in no time. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Pythonuses a visually rich format to engage your mind, rather than a text-heavy approach that puts you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

The Book of Ruby - Huw Collingbourne 2011-07-11

Ruby is famous for being easy to learn, but most users only scratch the surface of what it can do. While other books focus on Ruby's trendier features, The Book of Ruby reveals the secret inner workings of one of the world's most popular programming languages, teaching you to write clear, maintainable code. You'll start with the basics—types, data structures, and control flows—and progress to advanced features like blocks, mixins, metaclasses, and beyond. Rather than bog you down with a lot of theory, The Book of Ruby takes a hands-on approach and focuses on making you productive from day one. As you follow along, you'll learn to: –Leverage Ruby's succinct and flexible syntax to maximize your productivity –Balance Ruby's functional, imperative, and object-oriented features –Write self-modifying programs using dynamic programming techniques –Create new fibers and threads to manage independent processes concurrently –Catch and recover from execution errors with robust exception handling –Develop powerful web applications with the Ruby on Rails framework Each chapter includes a "Digging Deeper" section that shows you how Ruby works under the hood, so you'll never be caught off guard by its deceptively simple scoping, multithreading features, or precedence rules. Whether you're new to programming or just new Ruby, The Book of Ruby is your guide to

rapid, real-world software development with this unique and elegant language.

Head First Java - Kathy Sierra 2005-02-09 Learning a complex new language is no easy task especially when it s an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new. second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in

for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

Eloquent Ruby - Russ Olsen 2011-02-07
It's easy to write correct Ruby code, but to gain the fluency needed to write great Ruby code, you must go beyond syntax and absorb the "Ruby way" of thinking and problem solving. In Eloquent Ruby, Russ Olsen helps you write Ruby like true Rubyists do–so you can leverage its immense, surprising power. Olsen draws on years of experience internalizing the Ruby culture and teaching Ruby to other programmers. He guides you to the "Ah Ha!" moments when it suddenly becomes clear why Ruby works the way it does, and how you can take advantage of this language's elegance and expressiveness. Eloquent Ruby starts small, answering tactical questions focused on a single statement, method, test, or bug. You'll learn how to write code that actually looks like Ruby (not Java or C#); why Ruby has so many control structures; how to use strings, expressions, and symbols; and what dynamic typing is really good for. Next, the book addresses bigger questions related to building methods and classes. You'll discover why Ruby classes contain so many tiny methods, when to use operator overloading, and when to avoid it. Olsen explains how to write Ruby code that writes its own code–and why you'll want to. He concludes with powerful project-level features and techniques ranging from gems to Domain Specific Languages. A part of the renowned Addison-Wesley Professional Ruby Series, Eloquent Ruby will help you "put on your Ruby-colored glasses" and get results that make you a true believer.

Ruby on Rails Tutorial - Michael Hartl
2016-11-17
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform

them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku *The Ruby Red Trilogy* - Kerstin Gier 2014-11-18 The Ruby Red Trilogy: Ruby Red, Sapphire Blue, and Emerald Green This internationally bestselling series follows Gwyneth Shepherd, a girl with a time-traveling secret. Traipsing through past centuries, juggling a potential romance, and unlocking her destiny, Gwen has her work cut out for her. Ruby Red: Gwen has always known that her family is different—the women, in particular. As time travelers, they are no strangers to the possibility of the impossible. But even they are't expecting it when Gwen shows signs of being a time traveler rather than her cousin Charlotte. Thrust into a world she should have been excluded from, Gwen is introduced to Gideon, a fellow traveler. Although the two don't get along, something other than annoyance might be brewing under the surface. As Gwen masters her new ability, she learns more abou therself than she ever could have imagined. Sapphire Blue: Gwen has joined the ranks of the Circle of Twelve, a secret society of chosen time travelers. As the Ruby, Gwen is tasked with finding travelers in the past, all while delving into prophecies and trying to read the mixed signals that Gideon, the Diamond of the Circle, has been sending. With the help of her best friend, a ghost, and a gargoyle demon, Gwen seeks to unearth the truth behind the Circle—a truth that has been actively hidden

from her. Emerald Green: Crushed to learn that Gideon may have been deceiving her all along, Gwen has to move forward nonetheless. She has more than enough on her plate: her distrust of Count Saint-Germain, founder of the Circle of Twelve, who wants Gwen to finish collecting blood from the other chosen travelers; the chronograph, a device which will close the Circle if she succeeds; and the resistance she meets at every turn as she seeks more knowledge. With much more to be revealed, Gwen must race against the clock to fulfill her destiny—before it's too late. Includes bonus chapters from Kerstin Gier Dream a Little Dream!

Head First Statistics - Dawn Griffiths 2008-08-26 A comprehensive introduction to statistics that teaches the fundamentals with real-life scenarios, and covers histograms, quartiles, probability, Bayes' theorem, predictions, approximations, random samples, and related topics.

I Am Ruby Bridges (Digital Read Along

Edition) - Ruby Bridges 2022-12-06 Ruby Bridges tells her story as never before and shares the events of the momentous day in 1960 when Ruby became the first Black child to integrate the all-white William Franz Elementary as a six year old little girl -- a personal and intimate look through a child's lens at a landmark moment in our Civil Rights history. My work will be precious. I will bridge the "gap" between Black & white... ...and hopefully all people! I suppose some things in life are just meant to be. When Ruby Bridges was six years old, she became the first Black child to integrate the all-white William Frantz Elementary in Louisiana. Based on the pivotal events that happened in 1960 and told from her point of view, this is a poetic reflection on her experience that changed the face of history and the trajectory of the Civil Rights movement. I Am Ruby Bridges offers hope and confidence to all children. It is the perfect learning tool for schools and libraries to teach the story of Ruby

Bridges and introduce this landmark story to young readers in a powerful new way. This story of innocence and courage is brought to life by NAACP-nominated artist, Nikkolas Smith through stunning and breath-taking illustrations.

Embracing the meaning of her name, Bridges reflects with poignancy and heart on the way one brave little girl stood proud to help build a bridge between all people and pave the path for future generations.