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High Performance Computing Prolog Programming and Applications Programming in Go Programming JavaScript Applications Optimized Genetic Programming Applications: Emerging Research and Opportunities Programming with JavaScript Applications Programming in C PROGRAMMING APPLICATIONS FOR WINDOWS(FOURTH EDITION) Web Applications with Elm Basic Applications Programming Microprocessor Programming and Applications for Scientists and Engineers Programming Kotlin Applications The X Window System Introduction to Programming Functional Programming and Its Applications X Window Systems Handbook of Genetic Programming Applications Microprocessor Architecture, Programming, and Applications with the 8085 C Programming for Scientists and Engineers with Applications Cloud Native Programming with Golang Rational Application Developer V7 Programming Guide Programming Web Applications with Node, Express and Pug Android Programming for Beginners Multi-Agent Programming: Functional Programming and Its Applications Programming Applications for Microsoft Windows Programming C# 8.0 Professional Windows 8 Programming Java Programming Applications Data Mining Using Grammar Based Genetic Programming and Applications Linear Programming and Its Applications Java Programming Applications Phoenix Web Development Shared Memory Application Programming Applications Software Programming with Fourth-generation Languages Minicomputer Systems Elementary Linear Programming with Applications Beginning iOS Programming Mastering Cloud Computing Microprocessor Architecture, Programming, and Applications with the 8085/8080A

High Performance Computing

2010-12-14

high performance computing programming and applications presents techniques that address new performance issues in the programming of high performance computing hpc applications omitting tedious details the book discusses hardware architecture concepts and programming techniques that are the most pertinent to application developers for achievi

Prolog Programming and Applications

1985-01-01

your hands on guide to go the revolutionary new language designed for concurrency multicore hardware and programmer convenience today s most exciting new programming language go is designed from the ground up to help you easily leverage all the power of today s multicore hardware with this guide pioneering go programmer mark summerfield shows how to write code that takes full advantage of go s breakthrough features and idioms both a tutorial and a language reference programming in go brings together all the knowledge you need to evaluate go think in go and write high performance software with go summerfield presents multiple idiom comparisons showing exactly how go improves upon older languages calling special attention to go s key innovations along the way he explains everything from the absolute basics through go s lock free channel based concurrency and its flexible and unusual duck typing type safe approach to object orientation throughout summerfield s approach is thoroughly practical each chapter offers multiple live code examples designed to encourage experimentation and help you quickly develop mastery wherever possible complete programs and packages are presented to provide realistic use cases as well as exercises coverage includes quickly getting and installing go and building and running go programs exploring go s syntax features and extensive standard library programming boolean values expressions and numeric types creating comparing indexing slicing and formatting strings understanding go s highly efficient built in collection types slices and maps using go as a procedural programming language discovering go s unusual and flexible approach to object orientation mastering go s unique simple and natural approach to fine grained concurrency reading and writing binary text json and xml files importing and using standard library packages custom packages and third party packages creating documenting unit testing and benchmarking custom packages

Programming in Go

2012-05-01

take advantage of javascript s power to build robust web scale or enterprise applications that are easy to extend and maintain by applying the design patterns outlined in this practical book experienced javascript developers will learn how to write flexible and resilient code that s easier yes easier to work with as your code base grows

javascript may be the most essential web programming language but in the real world javascript applications often break when you make changes with this book author eric elliott shows you how to add client and server side features to a large javascript application without negatively affecting the rest of your code examine the anatomy of a large scale javascript application build modern web apps with the capabilities of desktop applications learn best practices for code organization modularity and reuse separate your application into different layers of responsibility build efficient self describing hypermedia apis with node js test integrate and deploy software updates in rapid cycles control resource access with user authentication and authorization expand your application s reach through internationalization

Programming JavaScript Applications

2014-06-26

data is more valuable than ever in the twenty first century and tremendous amounts of data are being generated every second with a fast growing information industry engineers are required to develop new tools and techniques that increase human capabilities of mining useful knowledge from the vast amounts of data optimized genetic programming applications emerging research and opportunities is an essential reference source that explores the concept of genetic programming and its role in managing engineering problems it also examines genetic programming as a supervised machine learning technique focusing on implementation and application as a resource that details both the theoretical aspects and implementation of genetic programming this book is a useful source for academicians biological engineers computer programmers scientists researchers and upper level students seeking the latest research on genetic programming

Optimized Genetic Programming Applications: Emerging Research and Opportunities

2018-07-06

designed specifically for the cs 1 introductory programming course programming with javascript algorithms and applications for desktop and mobile browsers introduces students to computer science and programming using a modern approach

Programming with JavaScript

2011-12

software programming languages

Applications Programming in C

1990

learn the basics of the elm platform for web applications this book covers the language as of version 0 18 and the most important libraries after reading this book you will have an understanding what elm can do for you also you will be able to build on the example in the book to develop advanced web applications with elm what you ll learn work with elm and its development environment learn the language and libraries in examples use the elm architecture to create applications with the elm platform put it all together with a sample application and explanation that covers the implementation details who this book is for developers new to elm with some experience in javascript recommended this book is also for others curious about elm and its potential beyond web development

PROGRAMMING APPLICATIONS FOR WINDOWS(FOURTH EDITION)

2002-04-20

this introductory book on basic applications programming assumes the reader has no previous knowledge of computing and presents the subject using structured programming techniques the student is led from simple basic routines through to the edge of advanced file handling each chapter concludes with summary points and self test questions and the reader s knowledge is tested by means of worksheets and test programs the final chapter introduces the concept of a program specification and presents the reader with a project scenario related to a commercial situation in the course of working through modules from the specification points on structure presented throughout the book are consolidated and on completion the student should be able to write commercial software using indexed sequential random file access techniques

Web Applications with Elm

2018-08-21

microprocessor programming and applications for scientists and engineers

Basic Applications Programming

1990

learn to program with kotlin one of the fastest growing programming languages available today programming kotlin applications building mobile and server side

applications with kotlin drops readers into the fast lane for learning to develop with the kotlin programming language authored by accomplished cloud consultant and technology professional brett mclaughlin programming kotlin applications provides readers with the pragmatic and practical advice they need to build their very first kotlin applications designed to give readers a thorough understanding of kotlin that goes beyond mere mobile programming this book will help you learn how to develop your first kotlin project understand how kotlin securely protects and stores information advocate for using kotlin in your own professional and personal environments understand kotlin s goals and how to use it as its best know when to avoid using kotlin programming kotlin applications is written in a highly approachable and accessible way without the fluff and unrealistic samples that characterize some of its competitor guides perfect for developers familiar with another object oriented programming language like java or ruby or for people who want to advance their skillset in the kotlin environment this book is an indispensable addition to any programmer s library

Microprocessor Programming and Applications for Scientists and Engineers

1985-01-01

this completely updated and revised version of the bestselling original describes how to develop interactive applications for the x window system using the motif user interface toolkit it shows how to use the facilities of all three motif libraries xlib xt intrinsics and visual components

Programming Kotlin Applications

2020-12-04

get a solid understanding of java fundamentals to master programming through a series of practical steps key features enjoy your first step into the world of programming understand what a language is and use its features to build applications learn about a wide variety of programming applications book description have you ever thought about making your computer do what you want it to do do you want to learn to program but just don t know where to start instead of guiding you in the right direction have other learning resources got you confused with over explanations don t worry look no further introduction to programming is here to help written by an industry expert who understands the challenges faced by those from a non programming background this book takes a gentle hand holding approach to introducing you to the world of programming beginning with an introduction to what programming is you ll go on to learn about languages their syntax and development environments with plenty of examples for you to code alongside reading the book s practical approach will help you to grasp everything it has to offer more importantly you ll understand several aspects of application development as a result you ll have your very own application running by the end of the book to help you comprehensively understand java programming there are exercises at the end of each chapter to keep things interesting and encourage you to add your own personal touch to the code and ultimately your application what you will learn understand what java is install java and learn how to run it write and execute a java program write and execute the test for your program install components and confgure your development environment learn and use java language fundamentals learn object oriented design principles master the frequently used java constructs who this book is for introduction to programming is for anybody who wants to learn

programming all you ll need is a computer internet connection and a cup of coffee

The X Window System

1994

an application programmer developer s guide to x window and its toolkit xt young focuses on two key parts of x window s xt widgets prebuilt user interfaces and intrinsics which allow application programmers to create new widgets using existing ones

Introduction to Programming

2018-06-15

this contributed volume written by leading international researchers reviews the latest developments of genetic programming gp and its key applications in solving current real world problems such as energy conversion and management financial analysis engineering modeling and design and software engineering to name a few inspired by natural evolution the use of gp has expanded significantly in the last decade in almost every area of science and engineering exploring applications in a variety of fields the information in this volume can help optimize computer programs throughout the sciences taking a hands on approach this book provides an invaluable reference to practitioners providing the necessary details required for a successful application of gp and its branches to challenging problems ranging from drought prediction to trading volatility it also demonstrates the evolution of gp through major developments in gp studies and applications it is suitable for advanced students who wish to use relevant book chapters as a basis to pursue further research in these areas as well as experienced practitioners looking to apply gp to new areas the book also offers valuable supplementary material for design courses and computation in engineering

Functional Programming and Its Applications

1989

c is a favored and widely used programming language particularly within the fields of science and engineering c programming for scientists and engineers with applications guides readers through the fundamental as well as the advanced concepts of the c programming language as it applies to solving engineering and scientific problems ideal for readers with no prior programming experience this text provides numerous sample problems and their solutions in the areas of mechanical engineering electrical engineering heat transfer fluid mechanics physics chemistry and more it begins with a chapter focused on the basic terminology relating to hardware software problem definition and solution from there readers are quickly brought into the key elements of c and will be writing their own code upon completion of chapter 2 concepts are then gradually built upon using a strong structured approach with syntax and semantics presented in an easy to understand

sentence format readers will find c programming for scientists and engineers with applications to be an engaging user friendly introduction to this popular language

X Window Systems

2015-11-17

discover practical techniques to build cloud native apps that are scalable reliable and always available key features build well designed and secure microservices enrich your microservices with continous integration and monitoring containerize your application with docker deploy your application to aws learn how to utilize the powerful aws services from within your application book description awarded as one of the best books of all time by bookauthority cloud native programming with golang will take you on a journey into the world of microservices and cloud computing with the help of go cloud computing and microservices are two very important concepts in modern software architecture they represent key skills that ambitious software engineers need to acquire in order to design and build software applications capable of performing and scaling go is a modern cross platform programming language that is very powerful yet simple it is an excellent choice for microservices and cloud applications go is gaining more and more popularity and becoming a very attractive skill this book starts by covering the software architectural patterns of cloud applications as well as practical concepts regarding how to scale distribute and deploy those applications you will also learn how to build a javascript based front end for your application using typescript and react from there we dive into commercial cloud offerings by covering aws finally we conclude our book by providing some overviews of other concepts and technologies that you can explore to move from where the book leaves off what you will learn understand modern software applications architectures build secure microservices that can effectively communicate with other services get to know about event driven architectures by diving into message queues such as kafka rabbitmq and aws sqs understand key modern database technologies such as mongodb and amazon s dynamodb leverage the power of containers explore amazon cloud services fundamentals know how to utilize the power of the go language to access key services in the amazon cloud such as s3 sqs dynamodb and more build front end applications using reactjs with go implement cd for modern applications who this book is for this book is for developers who want to begin building secure resilient robust and scalable go applications that are cloud native some knowledge of the go programming language should be sufficient to build the front end application you will also need some knowledge of javascript programming

Handbook of Genetic Programming Applications

1999

ibm rational application developer for websphere software v7 0 for short rational application developer is the full function eclipse 3 2 based development platform for developing javatm 2 platform standard edition j2setm and java 2 platform enterprise edition j2eetm applications with a focus on applications to be deployed to ibm websphere application server and ibm websphere portal rational application developer provides integrated development tools for all development roles including developers java developers business analysts architects and enterprise programmers rational application developer is part of the ibm rational software delivery platform sdp which contains products in four life cycle categories architecture management which includes integrated development environments application

developer is here change and release management process and portfolio management quality management this ibm redbooks publication is a programming guide that highlights the features and tooling included with rational application developer v7 0 many of the chapters provide working examples that demonstrate how to use the tooling to develop applications as well as achieve the benefits of visual and rapid application development this publication is an update of rational application developer v6 programming guide sg24 6449 this book consists of six parts introduction to rational application developer develop applications test and debug applications deploy and profile applications team development appendixes

Microprocessor Architecture, Programming, and Applications with the 8085

2009-08-17

learn how to program modern web applications using the full node js platform including node js on the server express for middleware and routing and pug formerly jade to simplify the creation of views node js is the foundation of all full javascript apps and plenty of books cover its full usage this book focuses on how to use it to create server based modern web applications using node js alongside express and pug the brand new version of jade you can create modern web applications solely using javascript this book teaches you how to structure and build your app from scratch and make development easy what you will learn use nodejs in general and particularly the features require to create web applications understand middleware and how to develop using the express framework explore the template engine pug formerly jade and how you can integrate it with express li set up a complete development environment on both linux and windows who this book is for developers of web applications who come from java j2ee asp net php ruby on rails and want to explore the capabilities of javascript based server apps it s suitable for beginners that have a basic understanding of javascript already

C Programming for Scientists and Engineers with Applications

2017-12-28

learn all the java and android skills you need to start making powerful mobile applications about this book kick start your android programming career or just have fun publishing apps to the google play marketplace a first principles introduction to java via android which means you ll be able to start building your own applications from scratch learn by example and build three real world apps and over 40 mini apps throughout the book who this book is for are you trying to start a career in programming but haven t found the right way in do you have a great idea for an app but don t know how to make it a reality or maybe you re just frustrated that to learn android you must know java if so android programming for beginners is for you you don t need any programming experience to follow along with this book just a computer and a sense of adventure what you will learn master the fundamentals of coding java for android install and set up your android development environment build functional user interfaces with the android studio visual designer add user interaction data captures sound and animation to your apps manage your apps data using the built in android sqlite database find out about the design patterns used by professionals to make top grade applications build deploy and publish real android applications to the google play marketplace in detail android is the most popular os in the world there are millions of devices accessing tens of thousands of

applications it is many people s entry point into the world of technology it is an operating system for everyone despite this the entry fee to actually make android applications is usually a computer science degree or five years worth of java experience android programming for beginners will be your companion to create android applications from scratch whether you re looking to start your programming career make an application for work be reintroduced to mobile development or are just looking to program for fun we will introduce you to all the fundamental concepts of programming in an android context from the java basics to working with the android api all examples are created from within android studio the official android development environment that helps supercharge your application development process after this crash course we ll dive deeper into android programming and you ll learn how to create applications with a professional standard ui through fragments make location aware apps with google maps integration and store your user s data with sqlite in addition you ll see how to make your apps multilingual capture images from a device s camera and work with graphics sound and animations too by the end of this book you ll be ready to start building your own custom applications in android and java style and approach with more than 40 mini apps to code and run android programming for beginners is a hands on guide to learning android and java each example application demonstrates a different aspect of android programming alongside these mini apps we push your abilities by building three larger applications to demonstrate android application development in context

Cloud Native Programming with Golang

2008-03-27

multi agent systems are a promising technology to develop the next generation open distributed complex software systems the main focus of the research community has been on the development of concepts concerning both mental and social attitudes architectures techniques and general approaches to the analysis and specification of multi agent systems this contribution has been fragmented without any clear way of putting it all together rendering it inaccessible to students and young researchers non experts and practitioners successful multi agent systems development is guaranteed only if we can bridge the gap from analysis and design to effective implementation multi agent programming languages tools and applications presents a number of mature and influential multi agent programming languages platforms development tools and methodologies and realistic applications summarizing the state of the art in an accessible manner for professionals and computer science students at all levels

Rational Application Developer V7 Programming Guide

2016-12-20

an update to a bestselling practical windows programming guide this title is a comprehensive inside look at the windows 2000 and 64 bit windows environments it provides detailed system information that s unavailable elsewhere including architectural and implementation details and sample code

Programming Web Applications with Node, Express and Pug

2015-12-31

c is undeniably one of the most versatile programming languages available to engineers today with this comprehensive guide you ll learn just how powerful the combination of c and net can be author ian griffiths guides you through c 8 0 fundamentals and techniques for building cloud web and desktop applications designed for experienced programmers this book provides many code examples to help you work with the nuts and bolts of c such as generics linq and asynchronous programming features you ll get up to speed on net core and the latest c 8 0 additions including asynchronous streams nullable references pattern matching default interface implementation ranges and new indexing syntax and changes in the net tool chain discover how c supports fundamental coding features such as classes other custom types collections and error handling learn how to write high performance memory efficient code with net core s span and memory types query and process diverse data sources such as in memory object models databases data streams and xml documents with linq use net s multithreading features to exploit your computer s parallel processing capabilities learn how asynchronous language features can help improve application responsiveness and scalability

Android Programming for Beginners

2009-06-13

it is an exciting time to be a windows developer the arrival of windows 8 is a complete game changer the operating system and its development platform offer you an entirely new way to create rich full featured windows based applications this team of authors takes you on a journey through all of the new development features of the windows 8 platform specifically how to utilize visual studio 2012 and the xaml c languages to produce robust apps that are ready for deployment in the new windows store professional windows 8 programming learn how to utilize xaml to create rich content driven user interfaces make use of the new appbar to create a chrome less menu system see how to support sensors and geo location on windows 8 devices integrate your app into the windows 8 ecosystem with contracts and extensions walks you through the new windows 8 navigation system for multi page apps minimize code with data binding and mvvm design patterns features tips on getting your app ready for the windows store maximize revenue for your app by learning about available monetization strategies

Multi-Agent Programming:

1982-02-18

java programming applications

Functional Programming and Its Applications

1999

data mining involves the non trivial extraction of implicit previously unknown and potentially useful information from databases genetic programming gp and inductive logic programming ilp are two of the approaches for data mining this book first sets the necessary backgrounds for the reader including an overview of data mining evolutionary algorithms and inductive logic programming it then describes a framework called ggp generic genetic programming that integrates gp and ilp based on a formalism of logic grammars the formalism is powerful enough to represent context sensitive information and domain dependent knowledge this knowledge can be used to accelerate the learning speed and or improve the quality of the knowledge induced a grammar based genetic programming system called logenpro the logic grammar based genetic programming system is detailed and tested on many problems in data mining it is found that logenpro outperforms some ilp systems we have also illustrated how to apply logenpro to emulate automatically defined functions adfs to discover problem representation primitives automatically by employing various knowledge about the problem being solved logenpro can find a solution much faster than adfs and the computation required by logenpro is much smaller than that of adfs moreover logenpro can emulate the effects of strongly type genetic programming and adfs simultaneously and effortlessly data mining using grammar based genetic programming and applications is appropriate for researchers practitioners and clinicians interested in genetic programming data mining and the extraction of data from databases

Programming Applications for Microsoft Windows

2019-11-26

java programming applications discusses the basic concept of portability net java and its documentation and tools it includes different kinds of java use for the and desktop applications this book also discusses about the java language and how it actually functions it provides the reader with the basic insights of the java programming languages so as to understand how java can help to improve the overall efficiency of an organization

Programming C# 8.0

2012-12-07

the phoenix web development framework is an object oriented application development tool written in elixir with elixir and phoenix you build your application the right way ready to scale and ready for the increasing demands of real time web applications if you have some knowledge of elixir have experience with web frameworks in other

Professional Windows 8 Programming

2016-04-26

shared memory application programming presents the key concepts and applications of parallel programming in an accessible and engaging style applicable to developers across many domains multithreaded programming is today a core technology at the basis of all software development projects in any branch of applied computer science this book guides readers to develop insights about threaded programming and introduces two popular platforms for multicore development openmp and intel threading building blocks tbb author victor alessandrini leverages his rich experience to explain each platform s design strategies analyzing the focus and strengths underlying their often complementary capabilities as well as their interoperability the book is divided into two parts the first develops the essential concepts of thread management and synchronization discussing the way they are implemented in native multithreading libraries windows threads pthreads as well as in the modern c 11 threads standard the second provides an in depth discussion of tbb and openmp including the latest features in openmp 4 0 extensions to ensure readers skills are fully up to date focus progressively shifts from traditional thread parallelism to modern task parallelism deployed by modern programming environments several chapter include examples drawn from a variety of disciplines including molecular dynamics and image processing with full source code and a software library incorporating a number of utilities that readers can adapt into their own projects designed to introduce threading and multicore programming to teach modern coding strategies for developers in applied computing leverages author victor alessandrini s rich experience to explain each platform s design strategies analyzing the focus and strengths underlying their often complementary capabilities as well as their interoperability includes complete up to date discussions of openmp 4 0 and tbb based on the author s training sessions including information on source code and software libraries which can be repurposed

Java Programming Applications

2006-04-18

this book is an introduction to the organization programming and applications of small computer systems as in the first edition the central theme is the fundamental ideas of computer architecture and structure both hardware and software and the utilization of these concepts in production of programs for data acquisition and data manipulation this edition examines the interaction of algorithms programs and data structures to yield efficient software

Data Mining Using Grammar Based Genetic Programming and Applications

1989

the disk that comes with the book contains the student oriented linear programming code smpx written by professor evar nering of arizona state university the authors also recommend inexpensive linear programming software for personal computers more review material on linear algebra elementary linear programming covered

more efficiently presentation improved especially for the duality theorem transportation problems the assignment problem and the maximal flow problem new figures and exercises computer applications updated added disk with the student oriented linear programming code smpx written by professor evar nering of arizona state university new guide to inexpensive linear programming software for personal computers

Linear Programming and Its Applications

2019-11

ios 7 changed everything get up to speed ios 7 is a major shift in the look and feel of apps the first major sea change since the iphone was first introduced for apps to blend in with the new ui each needs a complete redesign beginning ios programming building and deploying ios applications starts at the beginning including an introduction to objective c and gives you the skills you need to get your apps up and running author nick harris has extensive experience developing for ios and provides a solid background for teaching the building blocks of app development learn objective c and how it differs from other programming languages turn your app idea into an actionable plan build each feature with the help of standalone chapters assemble your project into a real world ios app throughout the book you ll be able to experiment with dozens of recipes from real life scenarios creating an app as you learn the book s website features download sample apps to follow along with the instruction and sample code to illustrate ideas

Java Programming Applications

2018-04-30

mastering cloud computing is designed for undergraduate students learning to develop cloud computing applications tomorrow s applications won t live on a single computer but will be deployed from and reside on a virtual server accessible anywhere any time tomorrow s application developers need to understand the requirements of building apps for these virtual systems including concurrent programming high performance computing and data intensive systems the book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization thread programming task programming and map reduce programming there are examples demonstrating all of these and more with exercises and labs throughout explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment real world case studies include scientific business and energy efficiency considerations

Phoenix Web Development

2015-11-06

Shared Memory Application Programming

1989

Applications Software Programming with Fourth-generation Languages

1979

Minicomputer Systems

1980

Elementary Linear Programming with Applications

2014-02-27

Beginning iOS Programming

2013-04-05

Mastering Cloud Computing

1984-01-01

Microprocessor Architecture, Programming, and Applications with the 8085/8080A

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