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Prelude to Programming Concepts and Design Addison-Wesley *Prelude to Programming is appropriate for Pre-Programming and Introductory Programming courses in community colleges, 4-year colleges, and universities. No prior computer or programming experience is necessary although readers are expected to be familiar with college entry-level mathematics. Prelude to Programming provides beginning students with a language-independent framework for learning core programming concepts and effective design techniques. This approach gives students the foundation they need to understand the logic behind program design and to establish effective programming skills. The Sixth Edition offers students a lively and accessible presentation as they learn core programming concepts — including data types, control structures, data files and arrays, and program design techniques such as top-down modular design and proper program documentation and style. Problem-solving skills are developed when students learn how to use basic programming tools and algorithms, which include data validation, defensive programming, calculating sums and averages, and searching and sorting lists. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. It provides: A Language-Independent, Flexible Presentation: The text has been designed so that instructors can use it for students at various levels. Features that Help Solidify Concepts: Examples, exercises, and programming challenges help students understand how concepts in the text apply to real-life programs. Real Programming Experience with RAPTOR: Students gain first-hand programming experience through the optional use of RAPTOR, a free flowchart-based programming environment. Support Learning: Resources are available to expand on the topics presented in the text. **Extended Prelude to Programming Concepts & Design** Addison-Wesley Longman **Key Benefit:** Prelude to Programming provides readers with a language-independent framework for learning core programming concepts and effective design techniques. This approach gives readers the foundation they need to understand the logic behind program design and to establish effective programming skills. **Key Topics:** Core programming concepts, such as data types, control structures, data files and arrays and program design techniques, such as top-down modular design and proper program documentation and style. Also included are basic programming tools and algorithms which include data validation, defensive programming, calculating sums and averages, and searching and sorting lists. **Market:** This book is for readers who have no programming background and want to learn the fundamental skills of programming logic and design. **Extended Prelude to Programming Concepts and Design** Scott Jones **Concise Prelude to Programming Concepts and Design** Addison-Wesley Longman *This book, in a language-free context, helps readers learn general programming topics. Topics covered include data types, control structures, files, arrays, subprograms, structured programming principles and how to use basic tools and algorithms. No prior experience with computers or programming is necessary, nor is any special knowledge of mathematics, finance, or any other discipline. **A Short Prelude to Programming Concepts and Design** Scott Jones *This introductory text aids students in learning: general programming topics (control structures, arrays, subprograms, and files); structured programming principles such as top-down modular design and proper program documentation and style; how to use certain basic tools and algorithms, such as data validation and defensive programming, and other programming paradigms such as object-oriented and event-driven programming. No prior experience with computers or programming is necessary, nor is any special knowledge of mathematics, finance, or any other discipline. **Web Developer Foundations Using XHTML** Addison-Wesley Longman *Using XHTML provides a foundation in skills and concepts that web developers need, including Internet concepts, XHTML, basic web design and development, web site promotion and e-commerce overview. Advanced technical topics are introduced such as configuring web media, JavaScript, DHTML, Java applets, and Flash on web pages. This book is for anyone interested in improving their web development skills. **Windows XP Textbook Standard Edition** Addison-Wesley Longman *This book is an overview of important concepts for working with Windows XP. The standard edition covers topics such as customizing the Windows XP interface, working with applications and documents, managing files and folders and the internet. This text was written for the novice user, but in such a way that those with more experience can easily skip over or quickly review the material with which they are familiar. **Concepts Of Programming Languages** Pearson Education India **Web Developer Foundations Intro Dreamweaver MX** Scott Jones **Starting Out with VISUAL BASIC 6.0** Addison-Wesley Longman *This book provides an introduction to Visual Basic 6.0, using slow-paced discussion to help students with no previous programming experience master the concepts that lead to success with VB. The book includes the hallmark pedagogical features that readers of Gaddis books have come to expect. **Encyclopedia of Business and Finance: J-Z** MacMillan Reference Library *Contains over 315 alphabetically arranged articles that provide information about the major functional areas of business, covering accounting, economics, finance, information systems, law, management, and marketing, as well as organizations in business and government, and federal legislation. **Starting Out with C++** Addison Wesley Longman *This lab manual provides students with hands-on experience of programming concepts that are introduced in the introductory programming course. You can try out a number of different things with pre-developed code and guided steps needed to turn the code into successfully working programs, preparing you to later create your own programs. Each lesson set contains a pre-lab reading assignment, pre-lab writing assignment and lesson A and lesson B lab assignment as the learning activities. **System Engineering Analysis, Design, and**********

Development Concepts, Principles, and Practices John Wiley & Sons Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." –Philip Allen This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for "bridging the gap" between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key SE&D concepts and practices Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MDD), Unified Modeling Language (UML) / Systems Modeling Language (SysML), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation (V&V) Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals. **Problem Seeking An Architectural Programming Primer** Aia Press The classic programming guide for architects and clients-fully updated and revised. Architectural programming is a team effort that requires close cooperation between architects and their clients. Problem Seeking, Fourth Edition lays out a five-step procedure that teams can follow when programming any building or series of buildings, from a small house to a hospital complex. This simple yet comprehensive process encompasses the entire range of factors that influence the design of buildings. **Scientific Programming and Computer Architecture** MIT Press A variety of programming models relevant to scientists explained, with an emphasis on how programming constructs map to parts of the computer. What makes computer programs fast or slow? To answer this question, we have to get behind the abstractions of programming languages and look at how a computer really works. This book examines and explains a variety of scientific programming models (programming models relevant to scientists) with an emphasis on how programming constructs map to different parts of the computer's architecture. Two themes emerge: program speed and program modularity. Throughout this book, the premise is to "get under the hood," and the discussion is tied to specific programs. The book digs into linkers, compilers, operating systems, and computer architecture to understand how the different parts of the computer interact with programs. It begins with a review of C/C++ and explanations of how libraries, linkers, and Makefiles work. Programming models covered include Pthreads, OpenMP, MPI, TCP/IP, and CUDA. The emphasis on how computers work leads the reader into computer architecture and occasionally into the operating system kernel. The operating system studied is Linux, the preferred platform for scientific computing. Linux is also open source, which allows users to peer into its inner workings. A brief appendix provides a useful table of machines used to time programs. The book's website (<https://github.com/divakarvi/bk-spca>) has all the programs described in the book as well as a link to the html text. **Formalization of Programming Concepts International Colloquium, Peniscola, Spain, April 19-25, 1981. Proceedings** Springer Science & Business Media **American Book Publishing Record Beginning Software Engineering** John Wiley & Sons A complete introduction to building robust and reliable software Beginning Software Engineering demystifies the software engineering methodologies and techniques that professional developers use to design and build robust, efficient, and consistently reliable software. Free of jargon and assuming no previous programming, development, or management experience, this accessible guide explains important concepts and techniques that can be applied to any programming language. Each chapter ends with exercises that let you test your understanding and help you elaborate on the chapter's main concepts. Everything you need to understand waterfall, Sashimi, agile, RAD, Scrum, Kanban, Extreme Programming, and many other development models is inside! Describes in plain English what software engineering is Explains the roles and responsibilities of team members working on a software engineering project Outlines key phases that any software engineering effort must handle to produce applications that are powerful and dependable Details the most popular software development methodologies and explains the different ways they handle critical development tasks Incorporates exercises that expand upon each chapter's main ideas Includes an extensive glossary of software engineering terms **Intermediate C Programming** CRC Press Teach Your Students How to Program Well Intermediate C Programming provides a stepping-stone for intermediate-level students to go from writing short programs to writing real programs well. It shows students how to identify and eliminate bugs, write clean code, share code with others, and use standard Linux-based tools, such as ddd and valgrind. The text covers numerous concepts and tools that will help your students write better programs. It enhances their programming skills by explaining programming concepts and comparing common mistakes with correct programs. It also discusses how to use debuggers and the strategies for debugging as well as studies the connection between programming and discrete mathematics. **Learning Web Design A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics** "O'Reilly Media, Inc." Do you want to build web pages but have no prior experience? This friendly guide is the perfect place to start. You'll begin at square one, learning how the web and web pages work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multicolumn pages that adapt for mobile devices. Each chapter provides exercises to help you learn various techniques and short quizzes to make sure you understand key concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple animation effects Learn how JavaScript works and why the language is so important in web design Create and optimize web images so they'll download as quickly as possible NEW! Use CSS

Flexbox and Grid for sophisticated and flexible page layout NEW! Learn the ins and outs of Responsive Web Design to make web pages look great on all devices NEW! Become familiar with the command line, Git, and other tools in the modern web developer's toolkit NEW! Get to know the super-powers of SVG graphics

The Rust Programming Language (Covers Rust 2018) [No Starch Press](#) The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as:

- Ownership and borrowing, lifetimes, and traits
- Using Rust's memory safety guarantees to build fast, safe programs
- Testing, error handling, and effective refactoring
- Generics, smart pointers, multithreading, trait objects, and advanced pattern matching
- Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies
- How best to use Rust's advanced compiler with compiler-led programming techniques

You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

An Introduction to Programming and Algorithmic Reasoning Using RAPTOR [RAPTOR](#) is a visual programming language based upon executable flowcharts. A fully functional programming language, RAPTOR simplifies the syntax of programming by using six simple graphical symbols and a simple to use development environment. These features allow the programmer to focus on the algorithmic reasoning and problem solving common to all programming. This text guides the reader through an incremental development of fundamental programming skills and understanding of algorithmic reasoning.

Concepts in Programming Languages [Cambridge University Press](#) A comprehensive undergraduate textbook covering both theory and practical design issues, with an emphasis on object-oriented languages.

Rust in Action [Simon and Schuster](#) "This well-written book will help you make the most of what Rust has to offer." - Ramnivas Laddad, author of *AspectJ in Action* *Rust in Action* is a hands-on guide to systems programming with Rust. Written for inquisitive programmers, it presents real-world use cases that go far beyond syntax and structure. Summary *Rust in Action* introduces the Rust programming language by exploring numerous systems programming concepts and techniques. You'll be learning Rust by delving into how computers work under the hood. You'll find yourself playing with persistent storage, memory, networking and even tinkering with CPU instructions. The book takes you through using Rust to extend other applications and teaches you tricks to write blindingly fast code. You'll also discover parallel and concurrent programming. Filled to the brim with real-life use cases and scenarios, you'll go beyond the Rust syntax and see what Rust has to offer in real-world use cases. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Rust is the perfect language for systems programming. It delivers the low-level power of C along with rock-solid safety features that let you code fearlessly. Ideal for applications requiring concurrency, Rust programs are compact, readable, and blazingly fast. Best of all, Rust's famously smart compiler helps you avoid even subtle coding errors.

About the book *Rust in Action* is a hands-on guide to systems programming with Rust. Written for inquisitive programmers, it presents real-world use cases that go far beyond syntax and structure. You'll explore Rust implementations for file manipulation, networking, and kernel-level programming and discover awesome techniques for parallelism and concurrency. Along the way, you'll master Rust's unique borrow checker model for memory management without a garbage collector. What's inside

Elementary to advanced Rust programming Practical examples from systems programming Command-line, graphical and networked applications About the reader For intermediate programmers. No previous experience with Rust required. About the author Tim McNamara uses Rust to build data processing pipelines and generative art. He is an expert in natural language processing and data engineering.

Table of Contents 1 Introducing Rust PART 1 RUST LANGUAGE DISTINCTIVES 2 Language foundations 3 Compound data types 4 Lifetimes, ownership, and borrowing PART 2 DEMYSTIFYING SYSTEMS PROGRAMMING 5 Data in depth 6 Memory 7 Files and storage 8 Networking 9 Time and timekeeping 10 Processes, threads, and containers 11 Kernel 12 Signals, interrupts, and exceptions

GLSL Essentials [Packt Publishing Ltd](#) This book is a practical guide to the OpenGL Shading Language, which contains several real-world examples that will allow you to grasp the core concepts easily and the use of the GLSL for graphics rendering applications. If you want upgrade your skills, or are new to shader programming and want to learn about graphic programming, this book is for you. If you want a clearer idea of shader programming, or simply want to upgrade from fixed pipeline systems to state-of-the-art shader programming and are familiar with any C-based language, then this book will show you what you need to know.

Haskell from the Very Beginning [Coherent Press](#) In *Haskell from the Very Beginning* John Whittington takes a no-prerequisites approach to teaching the basics of a modern general-purpose programming language. Each small, self-contained chapter introduces a new topic, building until the reader can write quite substantial programs. There are plenty of questions and, crucially, worked answers and hints. *Haskell from the Very Beginning* will appeal both to new programmers, and to experienced programmers eager to explore functional languages such as Haskell. It is suitable both for formal use within an undergraduate or graduate curriculum, and for the interested amateur.

All About Maude - A High-Performance Logical Framework How to Specify, Program, and Verify Systems in Rewriting Logic [Springer](#) *Maude* is a language and system based on rewriting logic. In this comprehensive account, you'll discover how *Maude* and its formal tool environment can be used in three mutually reinforcing ways: as a declarative programming language, as an executable formal specification language, and as a formal verification system. Examples used throughout the book illustrate key concepts, features, and the many practical uses of *Maude*.

Data Structures and Algorithms in Java [John Wiley & Sons](#) The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, `net.datastructures`. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java

Collections Framework. Data-Oriented Design Software Engineering for Limited Resources and Short Schedules [Richard Fabian](#) The projects tackled by the software development industry have grown in scale and complexity. Costs are increasing along with the number of developers. Power bills for distributed projects have reached the point where optimisations pay literal dividends. Over the last 10 years, a software development movement has gained traction, a movement founded in games development. The limited resources and complexity of the software and hardware needed to ship modern game titles demanded a different approach. Data-oriented design is inspired by high-performance computing techniques, database design, and functional programming values. It provides a practical methodology that reduces complexity while improving performance of both your development team and your product. Understand the goal, understand the data, understand the hardware, develop the solution. This book presents foundations and principles helping to build a deeper understanding of data-oriented design. It provides instruction on the thought processes involved when considering data as the primary detail of any project. **Synthesis and Operability Strategies for Computer-Aided Modular Process Intensification** [Elsevier](#) Synthesis and Operability Strategies for Computer-Aided Modular Process intensification presents state-of-the-art methodological developments and real-world applications for computer-aided process modeling, optimization and control, with a particular interest on process intensification systems. Each chapter consists of basic principles, model formulation, solution algorithm, and step-by-step implementation guidance on key procedures. Sections cover an overview on the current status of process intensification technologies, including challenges and opportunities, detail process synthesis, design and optimization, the operation of intensified processes under uncertainty, and the integration of design, operability and control. Advanced operability analysis, inherent safety analysis, and model-based control strategies developed in the community of process systems engineering are also introduced to assess process operational performance at the early design stage. Includes a survey of recent advances in modeling, optimization and control of process intensification systems Presents a modular synthesis approach for process design, integration and material selection in intensified process systems Provides advanced process operability, inherent safety tactics, and model-based control analysis approaches for the evaluation of process operational performance at the conceptual design stage Highlights a systematic framework for multiscale process design intensification integrated with operability and control Includes real-world application examples on intensified reaction and/or separation systems with targeted cost, energy and sustainability improvements **Real World Haskell Code You Can Believe In** ["O'Reilly Media, Inc."](#) This easy-to-use, fast-moving tutorial introduces you to functional programming with Haskell. You'll learn how to use Haskell in a variety of practical ways, from short scripts to large and demanding applications. Real World Haskell takes you through the basics of functional programming at a brisk pace, and then helps you increase your understanding of Haskell in real-world issues like I/O, performance, dealing with data, concurrency, and more as you move through each chapter. **Quantum Computation and Quantum Information** [Cambridge University Press](#) First-ever comprehensive introduction to the major new subject of quantum computing and quantum information. **Structured Design Fundamentals of a Discipline of Computer Program and Systems Design** [Pearson Education](#) Presents system and program design as a disciplined science. **The British National Bibliography Get Programming with Haskell** [Simon and Schuster](#) Summary Get Programming with Haskell leads you through short lessons, examples, and exercises designed to make Haskell your own. It has crystal-clear illustrations and guided practice. You will write and test dozens of interesting programs and dive into custom Haskell modules. You will gain a new perspective on programming plus the practical ability to use Haskell in the everyday world. (The 80 IQ points: not guaranteed.) Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Programming languages often differ only around the edges—a few keywords, libraries, or platform choices. Haskell gives you an entirely new point of view. To the software pioneer Alan Kay, a change in perspective can be worth 80 IQ points and Haskellers agree on the dramatic benefits of thinking the Haskell way—thinking functionally, with type safety, mathematical certainty, and more. In this hands-on book, that's exactly what you'll learn to do. What's Inside Thinking in Haskell Functional programming basics Programming in types Real-world applications for Haskell About the Reader Written for readers who know one or more programming languages. 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Appendix - Sample answers to exercise **Get Programming Learn to code with Python** [Simon and Schuster](#) Get Programming: Learn to code with Python teaches you the basics of computer programming using the Python language. In this exercise-driven book, you'll be doing something on nearly every page as you work through 38 compact lessons and 7 engaging capstone projects. By exploring the crystal-clear illustrations, exercises that check your understanding as you go, and tips for what to try next, you'll start thinking like a programmer in no time. This book works perfectly alongside our video course Get Programming with Python in Motion, available exclusively at Manning.com: www.manning.com/livevideo/get-programming-with-python-in-motion Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. 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Reader No prior programming experience needed. Table of Contents LEARNING HOW TO PROGRAM Lesson 1 - Why should you learn how to program? Lesson 2 - Basic principles of learning a programming language UNIT 1 - VARIABLES, TYPES, EXPRESSIONS, AND STATEMENTS Lesson 3 - Introducing Python: a programming language Lesson 4 - Variables and expressions: giving names and values to things Lesson 5 - Object types and statements of code 46 Lesson 6 - Capstone project: your first Python program-convert hours to minutes UNIT 2 - STRINGS, TUPLES, AND INTERACTING WITH THE USER Lesson 7 - Introducing string objects: sequences of characters Lesson 8 - Advanced string operations Lesson 9 - Simple error messages Lesson 10 - Tuple objects: sequences of any kind of object Lesson 11 - Interacting with the user Lesson 12 - Capstone project: name mashup UNIT 3 - MAKING DECISIONS IN YOUR PROGRAMS Lesson 13 - Introducing decisions in programs Lesson 14 - Making more-complicated decisions Lesson 15 - Capstone project: choose your own adventure UNIT 4 - REPEATING TASKS Lesson 16 - Repeating tasks with loops Lesson 17 - Customizing loops Lesson 18 - Repeating tasks while conditions hold Lesson 19 - Capstone project: Scrabble, Art Edition UNIT 5 - ORGANIZING YOUR CODE INTO REUSABLE BLOCKS Lesson 20 - Building programs to last Lesson 21 - Achieving modularity and abstraction with functions Lesson 22 - Advanced operations with functions Lesson 23 - Capstone project: analyze your friends UNIT 6 - WORKING WITH MUTABLE DATA TYPES Lesson 24 - Mutable and immutable objects Lesson 25 - Working with lists Lesson 26 - Advanced operations with lists Lesson 27 - Dictionaries as maps between objects Lesson 28 - Aliasing and copying lists and dictionaries Lesson 29 - Capstone project: document similarity UNIT 7 - MAKING YOUR OWN OBJECT TYPES BY USING OBJECT-ORIENTED PROGRAMMING Lesson 30 - Making your own object types Lesson 31 - Creating a class for an object type Lesson 32 - Working with your own object types Lesson 33 - Customizing classes Lesson 34 - Capstone project: card game UNIT 8 - USING LIBRARIES TO ENHANCE YOUR PROGRAMS Lesson 35 - Useful libraries Lesson 36 - Testing and debugging your programs Lesson 37 - A library for graphical user interfaces Lesson 38 - Capstone project: game of tag Appendix A - Answers to lesson exercises Appendix B - Python cheat sheet Appendix C - Interesting Python libraries **CUDA Programming A Developer's Guide to Parallel Computing with GPUs** [Newnes](#) If you need to learn CUDA but don't have experience with parallel computing, *CUDA Programming: A Developer's Introduction* offers a detailed guide to CUDA with a grounding in parallel fundamentals. It starts by introducing CUDA and bringing you up to speed on GPU parallelism and hardware, then delving into CUDA installation. Chapters on core concepts including threads, blocks, grids, and memory focus on both parallel and CUDA-specific issues. Later, the book demonstrates CUDA in practice for optimizing applications, adjusting to new hardware, and solving common problems. Comprehensive introduction to parallel programming with CUDA, for readers new to both Detailed instructions help readers optimize the CUDA software development kit Practical techniques illustrate working with memory, threads, algorithms, resources, and more Covers CUDA on multiple hardware platforms: Mac, Linux and Windows with several NVIDIA chipsets Each chapter includes exercises to test reader knowledge **Programming Language Fundamentals by Example** [CRC Press](#) Written in an informal yet informative style, *Programming Language Fundamentals by Example* uses active learning techniques, giving students a professional learning experience based on professional methods applied with professional standards. It provides an understanding of the many languages and notations used in computer science, the formal models **Sams Teach Yourself UML in 24 Hours** [Sams Publishing](#) Learn UML, the Unified Modeling Language, to create diagrams describing the various aspects and uses of your application before you start coding, to ensure that you have everything covered. Millions of programmers in all languages have found UML to be an invaluable asset to their craft. More than 50,000 previous readers have learned UML with *Sams Teach Yourself UML in 24 Hours*. Expert author Joe Schmuller takes you through 24 step-by-step lessons designed to ensure your understanding of UML diagrams and syntax. This updated edition includes the new features of UML 2.0 designed to make UML an even better modeling tool for modern object-oriented and component-based programming. The CD-ROM includes an electronic version of the book, and Poseidon for UML, Community Edition 2.2, a popular UML modeling tool you can use with the lessons in this book to create UML diagrams immediately. **Learning Statistics with R** [Lulu.com](#)