

Learning To Program Steve Foote Free

Persistence theory emerged in the early 2000s as a new theory in the area of applied and computational topology. This book provides a broad and modern view of the subject, including its algebraic, topological, and algorithmic aspects. It also elaborates on applications in data analysis. The level of detail of the exposition has been set so as to keep a survey style, while providing sufficient insights into the proofs so the reader can understand the mechanisms at work. The book is organized into three parts. The first part is dedicated to the foundations of persistence and emphasizes its connection to quiver representation theory. The second part focuses on its connection to applications through a few selected topics. The third part provides perspectives for both the theory and its applications. The book can be used as a text for a course on applied topology or data analysis.

Published in partnership with the Washington Center for Improving the Quality of Undergraduate Education First-year seminars and learning communities are two of the most commonly offered high-impact practices on U.S. campuses. The goals of these initiatives are similar: helping students make connections to faculty and other students, improving academic performance, and increasing persistence and graduation. As such, it is not surprising that many institutions choose to embed first-year seminars in learning communities. This volume explores the merger of these two high-impact practices. In particular, it offers insight into how institutions connect them and the impact of those combined structures on student learning and success. In addition to chapters highlighting strategies for designing, teaching in, and assessing combined programs, case studies offer practical insights into the structures of these programs in a variety of campus settings.

An index to library and information science literature.

This book takes a humorous slant on the programming practice manual by reversing the usual approach: under the pretence of teaching you how to become the world's worst programmer who generally causes chaos, the book teaches you how to avoid the kind of bad habits that introduce bugs or cause code contributions to be rejected. Why be a code monkey when you can be a chaos monkey? OK, so you want to become a terrible programmer. You want to write code that gets vigorously rejected in review. You look forward to reading feedback plastered in comments like "WTF???". Even better, you fantasize about your bug-ridden changes sneaking through and causing untold chaos in the codebase. You want to build a reputation as someone who writes creaky, messy, error-prone garbage that frustrates your colleagues. Bad Programming Practices 101 will help you achieve that goal a whole lot quicker by teaching you an array of bad habits that will allow you to cause maximum chaos. Alternatively, you could use this book to identify those bad habits and learn to avoid them. The bad practices are organized into topics that form the basis of programming (layout, variables, loops, modules, and so on). It's been remarked that to become a good programmer, you must first write 10,000 lines of bad code to get it all out of your system. This book is aimed at programmers who have so far written only a small portion of that. By learning about poor programming habits, you will learn good practices. In addition, you will find out the motivation behind each practice, so you can learn why it is considered good and not simply get a list of rules. What You'll

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Learn Become a better coder by learning how (not) to program Choose your tools wisely Think of programming as problem solving Discover the consequences of a program's appearance and overall structure Explain poor use of variables in programs Avoid bad habits and common mistakes when using conditionals and loops See how poor error-handling makes for unstable programs Sidestep bad practices related specifically to object-oriented programming Mitigate the effects of ineffectual and inadequate bug location and testing Who This Book Is For Those who have some practical programming knowledge (can program in at least one programming language), but little or no professional experience, which they would like to quickly build up. They are either still undergoing training in software development, or are at the beginning of their programming career. They have at most 1-2 years of professional experience.

Real-time programming is a critical component in the development of many consumer and industrial devices. The long-awaited Real-Time Java specification has arrived, delivering the powerful benefits of Java to the embedded software development community. The Real-Time Specification for Java, introduces the new specification in detail -- giving developers all the information and insight they need to start building powerful, Java-based software. The book is the definitive reference to the semantics, extensions, and modifications to the Java programming language that enable the Java platform to meet the requirements and constraints of real-time development. For all Java programmers, embedded systems programmers, and system architects.

All Aboard! Have your tickets ready for the most exciting ride of your life on the Dinosaur Train!

In its 114th year, Billboard remains the world's premier weekly music publication and a diverse digital, events, brand, content and data licensing platform. Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music, video, gaming, media, digital and mobile entertainment issues and trends.

Christian professionals, through their daily work, have important roles in God's mission. However, little empirical research has been done to understand their journey to connect their daily work with God's. If the church of Jesus Christ is to have the transformational impact that the world needs then we must better understand our vocations from a biblical and missional perspective. In this thorough study, Dr Sutrisna Harjanto explores the formational elements of the integration of faith, work and mission among Indonesian Christian professionals. From detailed semi-structured interviews with twenty-eight participants, this study provides deeper insight into the development of vocational stewardship and the role of empowering relationships and communities. Through careful analysis and evaluation, the resulting book is an educational perspective on the theology of work and mission, beneficial for those in positions to equip and support Christian professionals as they work to fulfil God's mission through daily work.

Learning to Program Pearson Education

Why does inequality have such a hold on American society and public policy? And what can we, as citizens, do about it? Inequality in America takes an in-depth look at race, class, and gender-based inequality across a wide range of issues from housing and education to crime, employment, and health. Caliendo explores how individual attitudes can affect public opinion and lawmakers' policy solutions. He also illustrates how these policies result in systemic barriers to advancement that often then contribute to individual perceptions. This cycle of disadvantage and advantage can be difficult—though not impossible—to break. "Representing" and "What Can I Do?" feature boxes highlight

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key public figures who have worked to combat inequality and encourage students to do the same. The third edition has been thoroughly revised to include the most current data and cover recent issues and events such as Trump Administration policies, the #MeToo movement, and U.S. Supreme Court decisions affecting issues of racial representation and voting rights. Concise and accessible, *Inequality in America* paves the way for students to think critically about the attitudes, behaviors, and structures of inequality. New to the Third Edition
New to the Third Edition Considers the heightened discussion of racial reckoning that has been occurring since the summer of 2020. Covers the disproportional effect to communities of color of the Covid-19 global pandemic and related recession Takes an early glimpse into Biden Administration priorities compared to Trump Administration policies on education, immigration, housing and urban development. Updates feature boxes, including a spotlight on U.S. Representative Alexandria Ocasio-Cortez and Bryan Stevenson of the Equal Justice Initiative. Discusses the January 6, 2021 riot at the U.S. Capitol, the #MeToo and #TimesUp Movements, and much more.

Do you think the programmers who work at your office are magical wizards who hold special powers that manipulate your computer? Believe it or not, anyone can learn how to write programs, and it doesn't take a higher math and science education to start. *Beginning Programming for Dummies* shows you how computer programming works without all the technical details or hard programming language. It explores the common parts of every computer programming language and how to write for multiple platforms like Windows, Mac OS X, or Linux. This easily accessible guide provides you with the tools you need to: Create programs and divide them into subprograms Develop variables and use constants Manipulate strings and convert them into numbers Use an array as storage space Reuse and rewrite code Isolate data Create a user interface Write programs for the Internet Utilize JavaScript and Java Applets In addition to these essential building blocks, this guide features a companion CD-ROM containing Liberty BASIC compiler and code in several languages. It also provides valuable programming resources and lets you in on cool careers for programmers. With *Beginning Programming of Dummies*, you can take charge of your computer and begin programming today!

This useful two-volume set will provide buyers of subject encyclopedias with a substantial amount of valuable information they can use in making their purchasing decisions. It will also provide all types of librarians and their patrons with a quick, one-stop method for locating the appropriate subject encyclopedias for their needs and for locating articles in the 100 encyclopedias. Librarians who specialize in bibliographic instruction will also find it to be a useful tool for teaching students how to locate needed information.

"Reading *Hyper-Productive Knowledge Work Performance* has influenced my thinking more than any other recent book I have read about how to transform my company's culture to achieve higher levels of productivity. It's like the perfect mix of Fred Brooks, W. Edwards Deming, Donald Reinertsen, David Anderson, and Jeff Sutherland all rolled into one approachable and pragmatic book. I recognized a lot of what I already knew and then was pleasantly surprised with how the authors used hyper-productivity to show how it all interconnected. All in all, it is an eye opening book that provides a concrete path to hyper-productivity." —Curt Hibbs, Chief Agile Evangelist, Boeing
This unique reference shows how to lead knowledge workers, manage knowledge work and build a hyper-productive knowledge work organization, by taming and managing the four flows of organizational performance (psychology, information, work and finance) to produce spectacular operational and financial throughput results. Inspired by his experience and knowledge gained at Borland International, where a hyper-productive level of performance was achieved resulting in the most productive software project ever documented, author Steve Tendon devised TameFlow. TameFlow is an approach that can be superimposed on any preexisting process, method, and practice to enable performance improvement by several orders of magnitude and a state of hyper-productivity. It is adaptable to nearly every industry, and can be applied to any

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knowledge work domain or organization that generates business value through knowledge. TameFlow blends and merges different ideas from a variety of schools of thought. It is founded in pattern theory and organizational performance patterns which are used to analyze and decompose processes, methodologies, and management practices into constituent parts to observe productivity patterns, and then they are recombined in new configurations to enable hyper-productive levels of performance. In this volume of The TameFlow Hyper-Productivity Series, the TameFlow approach is explained within the context of knowledge work performed in a software development organization. Mr. Tendon teams up with author, Wolfram Müller, a thought-leader and expert in Critical Chain and Advanced Agile Project Management to illustrate its application to Scrum, the most widely used Agile software project management framework, and to Kanban, a method used for knowledge work with an emphasis on just-in-time delivery and change management. The authors demonstrate how constraints management (TOC) can improve Scrum and Kanban in powerful ways, bringing more predictability of behavior of the system as a whole, as well as to the individuals involved. Their combination becomes a breeding ground for the development of Unity of Purpose and Community of Trust. Both Scrum and Kanban can be extended with features of the TOC, and help create a hyper-productive organization.

Rana Siu Inboden examines China's role in the international human rights regime between 1982 and 2017 and, through this lens, explores China's rising position in the world. Focusing on three major case studies – the drafting and adoption of the Convention against Torture and the Optional Protocol to the Convention against Torture, the establishment of the UN Human Rights Council, and the International Labour Organization's Conference Committee on the Application of Standards – Inboden shows China's subtle yet persistent efforts to constrain the international human rights regime. Based on a range of documentary and archival research, as well as extensive interview data, Inboden provides fresh insights into the motivations and influences driving China's conduct and explores China's rising position as a global power. Selected by the Modern Library as one of the 100 best nonfiction books of all time On the occasion of the 150th anniversary of the Civil War, the Modern Library publishes Shelby Foote's three-volume masterpiece in a new boxed set including three hardcovers and a new trade paperback, American Homer: Reflections on Shelby Foote and His Classic Civil War: A Narrative, edited by and with an introduction from Pulitzer Prize winner Jon Meacham and including essays by Michael Beschloss, Ken Burns, Annette Gordon-Reed, and others. Random House publisher Bennett Cerf commissioned southern novelist Shelby Foote to write a short, one-volume history of the American Civil War. Thirty years and a million and a half words later--every word having been written out longhand with nib pens dipped into ink--Foote published the third and final volume of what has become the classic narrative of that epic war. As he approached the end of the final volume, Foote recounted this scene in a letter to his friend, the novelist Walker Percy: "I killed Lincoln last week--Saturday, at noon. While I was doing it (he had his chest arched up, holding his last breath to let it out) some halfassed doctor came to the door with vols I and II under his arm, wanting me to autograph them for his son for Xmas. I was in such a state of shock, I not only let him in; I even signed the goddam books, a thing I seldom do. Then I turned back and killed him and had Stanton say, 'Now he belongs to the ages.' A strange feeling, though. I have another 70-odd pages to go, and I have a fear they'll be like Hamlet with Hamlet left out. Christ, what a man. It's been a great thing getting to know him as he was, rather than as he has come to be--a sort of TV image of himself, with a ghost alongside." When Percy read the final book, he wrote to Foote: "It's a noble work. I'm still staggered by the size of the achievement. . . . It is The Iliad." A selection of these letters, along with essays by Jon Meacham, Michael Beschloss, Ken Burns, Annette Gordon-Reed, Michael Eric Dyson, Julia Reed, Robert Loomis, Donald Graham, John M. McCardell, Jr., and Jay Tolson, are included in American Homer, the bonus paperback book available only in the Modern Library boxed set of The Civil War. Shelby Foote's tremendous, sweeping narrative of the most fascinating conflict in our history--a war that

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lasted four long, bitter years, an experience more profound and meaningful than any other the American people have ever lived through--begins with Jefferson Davis's resignation from the United States Senate and Abraham Lincoln's departure from Springfield for the national capital. It is these two leaders, whose lives continually touch on the great chain of events throughout the story, who are only the first of scores of exciting personalities that in effect make The Civil War a multiple biography set against the crisis of an age. Four years later, Lincoln's second inaugural sets the seal, invoking "charity for all" on the Eve of Five Forks and the Grant-Lee race for Appomattox. Here is the dust and stench of war, a sort of Twilight of the Gods. The epilogue is Lincoln in his grave, and Davis in his postwar existence--"Lucifer in Starlight." So ends a unique achievement--already recognized as one of the finest histories ever fashioned by an American--a narrative that re-creates on a vast and brilliant canvas the events and personalities of an American epic: the Civil War.

Explains in a clear and concise manner the factors involved in the description and classification of fossils and the practical applications of paleontologic data

Follow up book to the extremely successful 30 DAYS HAS SEPTEMBER: COOL WAYS TO REMEMBER STUFF. More cool ways to remember stuff! From acronyms to rhyming lists, this book makes remembering facts a breeze. Full of spelling, punctuation, and grammar memory tips, ways to improve vocabulary, geography hints, and much more!

Helps readers develop a solid foundation in programming, teaching concepts that can be used with any modern programming language, covering such topics as text editors, build tools, programming standards, regular expressions, and debugging.

Through expanded intelligence, the use of robotics has fundamentally transformed a variety of fields, including manufacturing, aerospace, medicine, social services, and agriculture. Continued research on robotic design is critical to solving various dynamic obstacles individuals, enterprises, and humanity at large face on a daily basis. Robotic Systems: Concepts, Methodologies, Tools, and Applications is a vital reference source that delves into the current issues, methodologies, and trends relating to advanced robotic technology in the modern world. Highlighting a range of topics such as mechatronics, cybernetics, and human-computer interaction, this multi-volume book is ideally designed for robotics engineers, mechanical engineers, robotics technicians, operators, software engineers, designers, programmers, industry professionals, researchers, students, academicians, and computer practitioners seeking current research on developing innovative ideas for intelligent and autonomous robotics systems. The education of children and youth in general is an immense undertaking with personal, local, regional, and even international implications for the present and the future. While the United States' public education is based on non-sectarian, liberal, democratic values, the current challenges to public education's vision and purposes are many, and, in our current cultural milieus, they originate from multiple interacting factors. While building upon what seems to be a religious term--"sacred calling"--this "primer" (1) examines diverse contexts and directions which influence the endeavor of public education (negatively and positively); and (2) attempts to encourage and inspire the efforts of educators and citizens alike for the common good. These pages are intended for a wide audience which includes, for example, classroom educators, school administrators, school board members, parents, community groups with religious associations, civic associations which are not religious, etc. As citizen stakeholders, we all can be "coached up" through this book's balanced assessment of basic and secondary issues, which often are either forgotten,

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disregarded, twisted, or taken for granted.

Approximately 1.5 million people in the United States alone are afflicted with inflammatory bowel disease (IBD), a category of illnesses that includes Crohn's disease and ulcerative colitis, and that number is steadily growing. Although there is not yet a cure for Crohn's or ulcerative colitis, patients can help reduce their symptoms and improve their overall wellbeing by following a comprehensive wellness plan such as those outlined in *Living with Crohn's & Colitis*. *Living with Crohn's & Colitis* offers patient-focused, expert guidance on everything from the latest medical treatments, how to cope with a diagnosis, and tips for balancing diet with a busy lifestyle so you can form a personalized wellness plan. *Living with Crohn's & Colitis* also includes:

- Easy to understand information on the role of inflammation and the immune system on gut health
- Traditional and alternative treatment options for a broad, full-body approach to wellness
- A 3-month wellness plan adjustable to each individual's health needs
- Over 25 delicious recipes designed for those with IBD

Learning to live with the myriad aspects of Crohn's and ulcerative colitis treatment, including dietary restrictions and medications, can seem overwhelming. Written by a naturopathic doctor and a Crohn's patient, *Living with Crohn's & Colitis* is a thoughtful, balanced resource to help you on your journey to wellness. From the Trade Paperback edition.

Users can dramatically improve the design, performance, and manageability of object-oriented code without altering its interfaces or behavior. "Refactoring" shows users exactly how to spot the best opportunities for refactoring and exactly how to do it, step by step.

The greatest of all Civil War campaigns, Gettysburg was the turning point of the turning point in our nation's history. Volumes have been written about this momentous three-day battle, but recent histories have tended to focus on the particulars rather than the big picture: on the generals or on single days of battle—even on single charges—or on the daily lives of the soldiers. In *Gettysburg* Sears tells the whole story in a single volume. From the first gleam in Lee's eye to the last Rebel hightailing it back across the Potomac, every moment of the battle is brought to life with the vivid narrative skill and impeccable scholarship that has made Stephen Sears's other histories so successful. Based on years of research, this is the first book in a generation that brings everything together, sorts it all out, makes informed judgments, and takes stands. Even the most knowledgeable of Civil War buffs will find fascinating new material and new interpretations, and Sears's famously accessible style will make the book just as appealing to the general reader. In short, this is the one book on Gettysburg that anyone interested in the Civil War should own.

Nonprofit Leadership: Life Lessons from an Enterprising Practitioner explores what it means to be a civic leader in the nonprofit sector, building on the author's 30 years of experience as a leader, investor and researcher. The book combines leadership insights with personal reflections and provides new perspectives on social innovation and problem solving in community economic development. The book challenges readers to consider questions about their careers, rethink or expand their points of view and absorb lessons from the field. At the heart of the book is the recognition that good leadership and management cannot be reduced to a handful of principles or lessons, but flows from ongoing reflection and action. *Nonprofit Leadership* fills a gap in the existing nonprofit leadership literature. "Through provocative questions and evocative stories, *Nonprofit Leadership* becomes the perfect travel companion for emerging leaders in our field."-Ralph Smith, Senior Vice President, Annie E. Casey Foundation "From his work in gritty urban neighborhoods to City Hall to his role as a funder of ambitious community development initiatives, Bob Giloth has pushed the community practice envelope. This is a unique and moving contribution to the fields of community development and nonprofit management."-Nik Theodore, Associate Professor of Urban Planning and

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Policy, University of Illinois at Chicago "Only someone with a bold hand, a fearless heart and a sense of humor could have written this book, which is about harnessing your passion and not being afraid to fail."-Kirsten Moy, Director, Economic Opportunity Program, The Aspen Institute

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