

## Learning To Program Steven 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.

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From the 9/11 attacks to waterboarding to drone strikes, relations between the United States and the Middle East seem caught in a downward spiral. And all too often, the Central Intelligence Agency has made the situation worse. But this crisis was not a historical inevitability—far from it. Indeed, the earliest generation of CIA operatives was actually the region's staunchest western ally. In *America's Great Game*, celebrated intelligence historian Hugh Wilford reveals the surprising history of the CIA's pro-Arab operations in the 1940s and 50s by tracing the work of the agency's three most influential—and colorful—officers in the Middle East. Kermit “Kim” Roosevelt was the grandson of Theodore Roosevelt and the first head of CIA covert action in the region; his cousin, Archie Roosevelt, was a Middle East scholar and chief of the Beirut station. The two Roosevelts joined combined forces with Miles Copeland, a maverick covert operations specialist who had joined the American intelligence establishment during World War II. With their deep knowledge of Middle Eastern affairs, the three men were heirs to an American missionary tradition that engaged Arabs and Muslims with respect and empathy. Yet they were also fascinated by imperial intrigue, and were eager to play a modern rematch of the “Great Game,” the nineteenth-century struggle between Britain and Russia for control over central Asia. Despite their good intentions, these “Arabists” propped up authoritarian regimes, attempted secretly to sway public opinion in America against support for the new state of Israel, and staged coups that irrevocably destabilized the nations with which they empathized. Their efforts, and ultimate failure, would shape the course of U.S.–Middle Eastern relations for decades to come. Based on a vast array of declassified government records, private papers, and personal interviews, *America's Great Game* tells the riveting story of the merry band of CIA officers whose spy games forever changed U.S. foreign policy.

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.

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.

This concise, user-friendly book by award-winning sociology professor Stephen F. Steele of Anne Arundel Community College and Jammie Price of the University of North Carolina Wilmington addresses a common question many introductory sociology students: What can I do with sociology? The book introduces students to sociology as an active and relevant way to understand human social interaction by offering a clear, direct linkage between sociology and its practical use. It focuses on the core concepts in sociology (terms and topics), contemporary and practical skills used by sociologists to investigate these concepts (tools), and then provides concrete exercises for learning and applying these skills (tasks). The book also includes brief sections on using sociology to make a difference in the community and on developing a career in sociology. Applied sociology is an ideal supplement to traditional sociology texts to add an applied component to your course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

When two gutsy moms ventured inside Nettelhorst, their neighborhood's underutilized and struggling public elementary school, the new principal asked what it would take for them to enroll their children. Stunned by her candor, they returned the next day armed with an extensive wish list. The principal read their list and said "Well, let's get started, girls! It's going to be a busy year . . ." *How to Walk to School* is the story—from the highs to the lows—of motivated neighborhood parents galvanizing and then organizing an entire community to take a leap of faith, transforming a challenged urban school into one of Chicago's best, virtually overnight. The fate of public education is not beyond our control. In *How to Walk to School*, Susan Kurland, Nettelhorst's new and entrepreneurial principal, and Jacqueline Edelberg, the neighborhood mom, provide an accessible and honest blueprint for reclaiming the great public schools our children deserve. Check out [www.howtowalktoschool.com](http://www.howtowalktoschool.com) for more information.

Learning to Program Pearson Education

Reconnecting Reading and Writing explores the ways in which reading can and should have a strong role in the teaching of writing in college. *Reconnecting Reading and Writing* draws on broad perspectives from history and international work to show how and

why reading should be reunited with writing in college and high school classrooms. It presents an overview of relevant research on reading and how it can best be used to support and enhance writing instruction.

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!

Climate change is an enormous and increasingly urgent issue. This important book highlights how humanities disciplines can mobilize the creative and critical power of students, teachers, and communities to confront climate change. The book is divided into four clear sections to help readers integrate climate change into the classes and topics they are already teaching as well as engage with interdisciplinary methods and techniques. *Teaching Climate Change in the Humanities* constitutes a map and toolkit for anyone who wishes to draw upon the strengths of literary and cultural studies to teach valuable lessons that engage with climate change.

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.

Stegner's Pulitzer Prize-winning novel is the story of four generations in the life of an American family. A wheelchair-bound retired historian embarks on a monumental quest: to come to know his grandparents, now long dead. The unfolding drama of the story of the American West sets the tone for Stegner's masterpiece.

*Coding for Beginners in easy steps* has an easy-to-follow style that will appeal to anyone, of any age, who wants to begin coding computer programs. You need have no previous knowledge of any computer programming language so it's ideal for the newcomer, including youngsters needing to learn programming basics for the school curriculum. *Coding for Beginners in easy steps* instructs you how to write code to create your own computer programs. It contains separate chapters demonstrating how to store information in data structures, how to control program flow using control structures, and how to create re-usable blocks of code in program functions. There are complete step-by-step example programs that demonstrate each aspect of coding, together with screenshots that illustrate the actual output when each program has been executed. *Coding for Beginners in easy steps* begins by explaining how to easily create a programming environment on your own computer, so you can quickly begin to create your own working programs by copying the book's examples. After demonstrating the essential building blocks of computer programming it describes how to code powerful algorithms and demonstrates how to code classes for Object Oriented Programming (OOP). The examples throughout this book feature the popular Python programming language but additionally the final chapter demonstrates a comparison example in the C, C++, and Java programming languages to give you a rounded view of computer coding. The code in the listed steps within the book is colour-coded to precisely match the default colour-coding of the Python IDLE editor, making it easier for beginners to grasp. By the end of this book you will have gained a sound understanding of coding and be able to write your own computer programs that can be run on any compatible computer.

**THE STORY:** After the death of his alcoholic father, and his mother's remarriage, young Horace Robedaux remained in Harrison, Texas, clerking in a dry goods store. When his mother invites him to visit her and his teenage sister, Lily, in Houston, Ho Spatial thinkingâ€"a constructive combination of concepts of space, tools of representation, and processes of reasoningâ€"uses space to structure problems, find answers, and express solutions. It is powerful and pervasive in science, the workplace, and everyday life. By visualizing relationships within spatial structures, we can perceive, remember, and analyze the static and dynamic properties of objects and the relationships between objects. Despite its crucial role underpinning the National Standards for Science and Mathematics, spatial thinking is currently not systematically incorporated into the K-12 curriculum. *Learning to Think Spatially: GIS as a Support System in the K-12 Curriculum* examines how spatial thinking might be incorporated into existing standards-based instruction across the school curriculum. Spatial thinking must be recognized as a fundamental part of K-12 education and as an integrator and a facilitator for problem solving across the curriculum. With advances in computing technologies and the increasing availability of geospatial data, spatial thinking will play a significant role in the information-based economy of the 21st-century. Using appropriately designed support systems tailored to the K-12 context, spatial thinking can be taught formally to all students. A geographic information system (GIS) offers one example of a high-technology support system that can enable students and teachers to practice and apply spatial thinking in many areas of the curriculum.

*Don't Forget Me* is a survival manual and a lifeline for those whose lives have been touched by substance use and addiction. With the pervasiveness of drugs today and death by overdose as the leading cause of death for people under 50 in the US, almost everyone has been directly or indirectly affected by this drug epidemic. Loving someone with substance abuse can be terrifying. Steve Grant shares what he learned during his own difficult journey to encourage and guide other parents who are living with children who are struggling with substance abuse. *Don't Forget Me* tells the story of Steve's two sons, Chris and Kelly, who took distinctly different paths to the same outcome: death by overdose. Steve reveals not only a highlight reel of the things he got right but takes an honest look at the mistakes he made along the way to help other parents avoid those same mistakes. *Don't Forget Me* offers time-tested, practical suggestions to assure family members of those struggling with substance abuse they have not lost their mind and encourages them to find hope—even on the darkest days.

Co-published with

<https://styluspub.presswarehouse.com/uploads/30375c484a455a6f1bcf87a2c803ba1523e087dc.jpg> At last there is a handbook that everyone in higher education can use to help increase transfer student success. This comprehensive resource has been brought together to meet the need for a truly holistic approach to the transfer experience. The book brings together research, theory, practical applications, programmatic illustrations, case studies, encouragement, and inspiration, and is supplemented by an

online compendium for continual updates of resources, case studies, and new developments in the world of transfer. Based on a totally different way of thinking about, understanding, and acting to increase transfer student success, The Transfer Experience goes far beyond the traditional, limited view of transfer as a technical process simply about articulating credits, a stage of student development, or a novel enrollment management strategy. Rather, the book introduces a stimulating array of new perspectives, resources, options, models, and recommendations for addressing the many needs of this huge cohort – making the academic, civic, and social justice cases for improving transfer at both transfer-sending and transfer-receiving institutions.

Which is more dangerous, a gun or a swimming pool? What do schoolteachers and sumo wrestlers have in common? How much do parents really matter? These may not sound like typical questions for an economist to ask. But Steven D. Levitt is not a typical economist. He studies the riddles of everyday life--from cheating and crime to parenting and sports--and reaches conclusions that turn conventional wisdom on its head. Freakonomics is a groundbreaking collaboration between Levitt and Stephen J. Dubner, an award-winning author and journalist. They set out to explore the inner workings of a crack gang, the truth about real estate agents, the secrets of the Ku Klux Klan, and much more. Through forceful storytelling and wry insight, they show that economics is, at root, the study of incentives--how people get what they want or need, especially when other people want or need the same thing.

"An audacious, entertaining page-turner. Dan Jones covers a thousand years of history with elegance and panache."—Dan Carlin, host of Hardcore History "Simply the best popular history of the Middle Ages there is."—The Sunday Times (UK) The New York Times bestselling author returns with an epic history of the medieval world—a rich and complicated reappraisal of an era whose legacy and lessons we are still living with today. When the once-mighty city of Rome was sacked by barbarians in 410 and lay in ruins, it signaled the end of an era--and the beginning of a thousand years of profound transformation. In a gripping narrative bursting with big names—from Sts Augustine and Attila the Hun to the Prophet Muhammad and Eleanor of Aquitaine—Dan Jones charges through the history of the Middle Ages. Powers and Thrones takes readers on a journey through an emerging Europe, the great capitals of late Antiquity, as well as the influential cities of the Islamic West, and culminates in the first European voyages to the Americas. The medieval world was forged by the big forces that still occupy us today: climate change, pandemic disease, mass migration, and technological revolutions. This was the time when the great European nationalities were formed; when the basic Western systems of law and governance were codified; when the Christian Churches matured as both powerful institutions and the regulators of Western public morality; and when art, architecture, philosophical inquiry and scientific invention went through periods of massive, revolutionary change. The West was rebuilt on the ruins of an empire and emerged from a state of crisis and collapse to dominate the world. Every sphere of human life and activity was transformed in the thousand years covered by Powers and Thrones. As we face a critical turning point in our own millennium, Dan Jones shows that how we got here matters more than ever.

Matthias, an infantryman in Alexander's army, chronicles the 330 B.C. invasion of the Afghan kingdoms by Alexander the Great and his armies, in a historical novel that re-creates the legendary warrior's battle against a new kind of enemy that uses insurgent and terror tactics by a deeply religious, proud, and insular populace. Reprint. 50,000 first printing.

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.

The practical implications of technical debt for the entire software lifecycle; with examples and case studies. Technical debt in software is incurred when developers take shortcuts and make ill-advised technical decisions in the initial phases of a project, only to be confronted with the need for costly and labor-intensive workarounds later. This book offers advice on how to avoid technical debt, how to locate its sources, and how to remove it. It focuses on the practical implications of technical debt for the entire software life cycle, with examples and case studies from companies that range from Boeing to Twitter. Technical debt is normal; it is part of most iterative development processes. But if debt is ignored, over time it may become unmanageably complex, requiring developers to spend all of their effort fixing bugs, with no time to add new features--and after all, new features are what customers really value. The authors explain how to monitor technical debt, how to measure it, and how and when to pay it down. Broadening the conventional definition of technical debt, they cover requirements debt, implementation debt, testing debt, architecture debt, documentation debt, deployment debt, and social debt. They intersperse technical discussions with "Voice of the Practitioner" sidebars that detail real-world experiences with a variety of technical debt issues.

Learning React A hands-on guide to building web applications using React and Redux As far as new web frameworks and libraries go, React is quite the runaway success. It not only deals with the most common problems developers face when building complex apps, it throws in a few additional tricks that make building the visuals for such apps much, much easier. What React isn't, though, is beginner-friendly and approachable. Until now. In Learning React , author Kirupa Chinnathambi brings his fresh, clear, and very personable writing style to help web developers new to React understand its fundamentals and how to use it to build really performant (and awesome) apps. The only book on the market that helps you get your first React app up and running in just minutes, Learning React is chock-full of colorful illustrations to help you visualize difficult concepts and practical step-by-step examples to show you how to apply what you learn. Build your first React app Create components to define parts of your UI Combine components into other components to build more complex UIs Use JSX to specify visuals without writing full-fledged JavaScript Deal with maintaining state Work with React's way of styling content Make sense of the mysterious component lifecycle Build multi-page apps using routing and views Optimize your React workflow using tools such as Node, Babel, webpack, and others Use Redux to make managing your app data and state easy Contents at a Glance 1 Introducing React 2 Building Your First React App 3 Components in React 4 Styling in React 5 Creating Complex Components 6 Transferring Properties 7 Meet JSX... Again! 8 Dealing with State in React 9 Going from Data to UI in React 10 Events in React 11 The Component Lifecycle 12 Accessing DOM Elements in React 13 Setting Up Your React Dev Environment 14 Working with External Data in React 15 Building an Awesome Todo List App in React 16 Creating a Sliding Menu in React 17 Avoiding Unnecessary Renders in React 18

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From her dorm room at Princeton University, twenty-one-year-old college senior Wendy Kopp decided to launch a movement to improve public education in America. In *One Day, All Children...*, she shares the remarkable story of Teach For America, a non-profit organization that sends outstanding college graduates to teach for two years in the most under-resourced urban and rural public schools in America. The astonishing success of the program has proven it possible for children in low-income areas to attain the same level of academic achievement as children in more privileged areas and more privileged schools. *One Day, All Children...* is not just a personal memoir. It's a blueprint for the new civil rights movement--a movement that demands educational access and opportunity for all American children.

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

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

The greatest threat to Wellington's Salamanca Campaign is not Napoleon's Army but France's deadliest assassin. He's already failed to kill Captain Richard Sharpe once. Now, he's getting a second chance.

In this volume of 15 articles, contributors from a wide range of disciplines present their analyses of Disney movies and Disney music, which are mainstays of popular culture. The power of the Disney brand has heightened the need for academics to question whether Disney's films and music function as a tool of the Western elite that shapes the views of those less empowered. Given its global reach, how the Walt Disney Company handles the role of race, gender, and sexuality in social structural inequality merits serious reflection according to a number of the articles in the volume. On the other hand, other authors argue that Disney productions can help individuals cope with difficult situations or embrace progressive thinking. The different approaches to the assessment of Disney films as cultural artifacts also vary according to the theoretical perspectives guiding the interpretation of both overt and latent symbolic meaning in the movies. The authors of the 15 articles encourage readers to engage with the material, showcasing a variety of views about the good, the bad, and the best way forward.

J. M. Adovasio has spent the last thirty years at the center of one of our most fiery scientific debates: Who were the first humans in the Americas, and how and when did they get there? At its heart, *The First Americans* is the story of the revolution in thinking that Adovasio and his fellow archaeologists have brought about, and the firestorm it has ignited. As he writes, "The work of lifetimes has been put at risk, reputations have been damaged, an astounding amount of silliness and even profound stupidity has been taken as serious thought, and always lurking in the background of all the argumentation and gnashing of tenets has been the question of whether the field of archaeology can ever be pursued as a science."

How a Michigan farm boy became the richest man in America is a classic, almost mythic tale, but never before has Henry Ford's outsized genius been brought to life so vividly as it is in this engaging and superbly researched biography. The real Henry Ford was a tangle of contradictions. He set off the consumer revolution by producing a car affordable to the masses, all the while lamenting the moral toll exacted by consumerism. He believed in giving his workers a living wage, though he was entirely opposed to union labor. He had a warm and loving relationship with his wife, but sired a son with another woman. A rabid anti-Semite, he nonetheless embraced African American workers in the era of Jim Crow. Uncovering the man behind the myth, situating his achievements and their attendant controversies firmly within the context of early twentieth-century America, Watts has given us a comprehensive, illuminating, and fascinating biography of one of America's first mass-culture celebrities.

Can you live your life by what *The Twilight Zone* has to teach you? Yes, and maybe you should. The proof is in this lighthearted collection of life lessons, ground rules, inspirational thoughts, and stirring reminders found in Rod Serling's timeless fantasy series. Written by veteran TV critic, Mark Dawidziak, this unauthorized tribute is a celebration of the classic anthology show, but also, on another level, a kind of fifth-dimension self-help book, with each lesson supported by the morality tales told by Serling and his writers. The notion that "it's never too late to reinvent yourself" soars through "The Last Flight," in which a World War I flier who goes forward in time and gets the chance to trade cowardice for heroism. A visit from an angel blares out the wisdom of "follow your passion" in "A Passage for Trumpet." The meaning of "divided we fall" is driven home with dramatic results when neighbors suspect neighbors of being invading aliens in "The Monsters Are Due on Maple Street." The old maxim about never judging a book by its cover is given a tasty twist when an alien tome is translated in "To Serve Man."

Tyrone Hayes works to discover the effects pesticides have on frogs and, in turn, us.

Grounded in linguistic research and argumentation, *THE ENGLISH LANGUAGE: FROM SOUND TO SE01 General/tradeE* offers readers who have little or no analytic understanding of English a thorough treatment of the various components of the language. Its goal is to help readers become independent language analysts capable of critically evaluating claims about the language and the people who use it.

From the acclaimed historian and bestselling author: a page-turning account of the epic struggle over slavery as embodied by John Brown and Abraham Lincoln--two men moved to radically different acts to confront our nation's gravest sin. John Brown was a charismatic and deeply religious man who heard the God of the Old Testament speaking to him, telling him to destroy slavery by any means. When Congress opened Kansas territory to slavery in 1854, Brown raised a band of followers to wage war. His men tore pro-slavery settlers from their homes and hacked them to death with broadswords. Three years later, Brown and his men assaulted the federal arsenal at Harpers Ferry, Virginia, hoping to arm slaves with weapons for a race war that would cleanse the nation of slavery. Brown's violence pointed ambitious Illinois lawyer and former officeholder Abraham Lincoln toward a different solution to slavery: politics. Lincoln spoke cautiously and dreamed big, plotting his path back to Washington and perhaps to the White House. Yet his caution could not protect him from the vortex of violence Brown had set in motion. After Brown's arrest, his righteous dignity on the way to the gallows led many in the North to see him as a martyr to liberty.

Southerners responded with anger and horror to a terrorist being made into a saint. Lincoln shrewdly threaded the needle between the opposing voices of the fractured nation and won election as president. But the time for moderation had passed, and Lincoln's fervent belief that democracy could resolve its moral crises peacefully faced its ultimate test. *The Zealot and the Emancipator* is the thrilling account of how two American giants shaped the war for freedom.

All parents want their children to be successful in school, sports, and extracurricular activities. But it's not just about giving your kids praise or setting them on the right direction. Research shows that success is often dependent on mindset. Hard work, perseverance, and effort are all hallmarks of a growth mindset. That's where *Mindsets for Parents: Strategies to Encourage Growth Mindsets in Kids* comes in. Designed to provide parents with a roadmap for developing a growth mindset home environment, this book's conversational style and real-world examples make the popular mindsets topic approachable and engaging. It includes tools for informally assessing the mindsets of both parent and child, easy-to-understand brain research, and suggested strategies and resources for use with children of any age. This book gives parents and guardians powerful knowledge and methods to help themselves and their children learn to embrace life's challenges with a growth mindset and an eye toward increasing their effort and success!

This fictional re-creation of the battle of Shiloh in April 1862 is a stunning work of imaginative history, from Shelby Foote, beloved historian of the Civil War. *Shiloh* conveys not only the bloody choreography of Union and Confederate troops through the woods near Pittsburg Landing, Tennessee, but the inner movements of the combatants' hearts and minds. Through the eyes of officers and illiterate foot soldiers, heroes and cowards, *Shiloh* creates a dramatic mosaic of a critical moment in the making of America, complete to the haze of gunsmoke and the stunned expression in the eyes of dying men. *Shiloh*, which was hailed by *The New York Times* as "imaginative, powerful, filled with precise

visual details...a brilliant book" fulfills the standard set by Shelby Foote's monumental three-part chronical of the Civil War.  
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