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Multilayer NetworksThe Soul of A New MachineGatesClassic Computer Science Problems in SwiftCyberethics: Morality and Law in CyberspaceOld New ThingEndless FrontierWhy Programs FailMarried to AfricaUNIX Network ProgrammingSongwriting For DummiesHow Open Source Ate SoftwareShowstopper!SharePoint For DummiesThe Sun, the Earth, and Near-earth SpaceClassic Computer Science Problems in PythonWest of EdenShell of an IdeaTaking HawaiiThe Problem With SoftwareThe Rightful Place of Science: PoliticsInside Windows NTShowstopper!Managing Software Engineering KnowledgeUnderstanding the UniverseDart for Absolute BeginnersThe Diversity AdvantageDealers of LightningConspiracy of FoolsTakedownCommon Knowledge?One Step BeyondAnimation ArtThunderstruckPrescription for the PlanetInside Windows NTBurning the ShipsFlight RiskDivas Don't YieldHigh Stakes, No Prisoners

Multilayer Networks

Apple's Swift language is the de-facto standard for iOS and Mac development, and it's rapidly becoming a great choice for any general-purpose programming task. Classic Computer Science Problems in Swift invites readers to invest their energy in some foundational techniques that have been proven to stand the test of time. Along the way they'll learn intermediate and advanced features of the Swift programming language, a worthwhile skill in its own right. Purchase of the

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print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

The Soul of A New Machine

Argues that a nation's economic, political, and cultural successes are tied to its diversity, profiling an emerging global civilization while explaining how new forms of identity and migration are creating strength in various countries. Reprint.

Gates

"James Nolan looks back unsparingly on a time few writers have faced with such clarity and compassion. There's suspense and beauty on every page . . ." --Andrei Codrescu
Flight Risk takes off as a page-turning narrative with deep roots and a wide wingspan. James Nolan, a fifth-generation New Orleans native, offers up an intimate portrait both of his insular hometown and his generation's counterculture. Flight runs as a theme throughout the book, which begins with Nolan's escape from the gothic mental hospital to which his parents committed the teenaged poet during the tumult of 1968. This breakout is followed by the self-styled revolutionary's hair-raising flight from a Guatemalan jail, and years later, by the author's bolt from China, where he ditched his teaching position and collectivist ideals. These Houdini-like feats foreshadow a more recent one, how he dodged biblical floods in a stolen school bus three days after Hurricane Katrina hit New Orleans. Nolan traces these flight patterns to those of his French ancestors who fled to New Orleans in the mid-nineteenth century, established a tobacco business in the French Quarter, and kept the old country alive

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in their Creole demimonde. The writer describes the eccentric Seventh Ward menagerie of the extended family in which he grew up, his early flirtation with extremist politics, and a strong bond with his freewheeling grandfather, a gentleman from the Gilded Age. Nolan's quest for his own freedom takes him to the flower-powered, gender-bending San Francisco of the sixties and seventies, as well as to an expatriate life in Spain during the heady years of that nation's transition to democracy. Like the prodigal son, he eventually returns home to live in the French Quarter, around the corner from where his grandmother grew up, only to struggle through the aftermath of Katrina and the city's resurrection. Many of these stories are entwined with the commentaries of a wry flaneur, addressing such subjects as the nuances of race in New Orleans, the Disneyfication of the French Quarter, the numbing anomie of digital technology and globalization, the challenges of caring for aging parents, Creole funeral traditions, how to make a soul-searing gumbo, and what it really means to belong.

Classic Computer Science Problems in Swift

A prodigiously researched biography of Vannevar Bush, one of America's most awe-inspiring polymaths and the secret force behind the biggest technological breakthroughs of the twentieth century. As the inventor and public entrepreneur who launched the Manhattan Project, helped to create the military-industrial complex, conceived a permanent system of government support for science and engineering, and anticipated both the personal computer and the Internet, Vannevar Bush is the twentieth century's Ben Franklin. In this engaging look at one of America's most awe-inspiring polymaths, writer G. Pascal Zachary brings to life an

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American original—a man of his time, ours, and beyond. Zachary details how Bush cofounded Raytheon and helped build one of the most powerful early computers in the world at MIT. During World War II, he served as Roosevelt’s adviser and chief contact on all matters of military technology, including the atomic bomb. He launched the Manhattan Project and oversaw a collection of 6,000 civilian scientists who designed scores of new weapons. After the war, his attention turned to the future. He wrote essays that anticipated the rise of the Internet and boldly equated national security with research strength, outlining a system of permanent federal funding for university research that endures to this day. However, Bush’s hopeful vision of science and technology was leavened by an understanding of the darker possibilities. While cheering after witnessing the Trinity atomic test, he warned against the perils of a nuclear arms race. He led a secret appeal to convince President Truman not to test the Hydrogen Bomb and campaigned against the Red Scare. Elegantly and expertly relayed by Zachary, Vannevar’s story is a grand tour of the digital leviathan we know as the modern American life.

Cyberethics: Morality and Law in Cyberspace

All you need to know about SharePoint Online and SharePoint Server SharePoint is an enterprise portal server living under the Microsoft Office umbrella. It can be used as a local installation (on-premises) or an online service. The SharePoint Online service comes bundled with Office 365. You can use SharePoint to aggregate sites, information, data, and applications into a single portal. SharePoint 2019 contains highly integrated features that allow you to work with it directly from other Office products such as Teams, Word,

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Excel, PowerPoint, and many others. SharePoint For Dummies provides a thorough update on how to make the most of all the new SharePoint and Office features—while still building on the great and well-reviewed content in the prior editions. The book shows those new to SharePoint or new to SharePoint 2019 how to get up and running so that you and your team can become productive with this powerful tool. Find high-level, need-to-know information for “techsumers”, administrators, and admins Learn how SharePoint Online can get you started in minutes without the hassle and frustration of building out your own servers Find everything you need to know about the latest release of SharePoint Online and SharePoint Server Get your hands on the best guide on the market for SharePoint!

Old New Thing

Introduced in 2006, Microsoft's PowerShell made an immediate, positive impact on its server products and in the lives of the people who administer them. The world's first object-oriented shell, the first designed-from-scratch shell for the Windows operating system, and now a cross-platform management shell, PowerShell's technical achievement is significant. It's easy to look at where PowerShell is today, and not realize or remember the long and sometimes-difficult road it took to get there. What if Microsoft's "next-gen" shell had been nothing more than a port of the Unix KornShell to Windows? What if PowerShell had never become a default, built-in component of the Windows operating system? What if PowerShell had simply been called, "Microsoft Shell?" Yeah, all of those things almost happened. In the end, the story of PowerShell is less about the technology, and more about the people who brought it to life, and the people who use it every

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day. It's about how one small band of passionate, crazy people with a vision can bring something wonderful into the world, in small, incremental, deliberate steps. It's about how the right people came together at the right time and did the right thing, and about the enormous community that rallied around them to make the whole thing an incredible success. Author Don Jones was with PowerShell from the beginning, and through a series of core team interviews, community discussions, and background research, he brings you this: the untold story of PowerShell, a Shell of an Idea.

Endless Frontier

The dramatic true story of the capture of the world's most wanted cyberthief by brilliant computer expert Tsutomu Shimomura, describes Kevin Mitnick's long computer crime spree, which involved millions of dollars in credit card numbers and corporate trade secrets. Reprint. NYT.

Why Programs Fail

Prescription for the Planet by Tom Blees offers readers a revolutionary plan to eliminate greenhouse gas emissions, end resource wars, and usher in a post-scarcity era for the world by 2050.

Married to Africa

Learn how free software became open source and how you can sell open source software. This book provides a historical context of how open source has thoroughly transformed how we write software, how we cooperate, how we communicate, how we organize, and, ultimately, how we think about

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business values. You'll look at project and community examples including Linux, BSD, Apache, and Kubernetes, understand the open source development model, and how open source has influenced approaches more broadly, even proprietary software, such as open betas. You'll also examine the flipside, the "Second Machine Age," and the challenges of open source-based business models. Today, open source serves as shorthand for much broader trends and behaviors. It's not just about a free (in all senses of the word) alternative to commercial software. It increasingly is the new commercial software. How Open Source Ate Software reveals how open source has much in common, and is often closely allied, with many other trends in business and society. You'll see how it enables projects that go beyond any individual company. That makes open source not just a story about software, but a story about almost everything. What You'll Learn Understand open source opportunities and challenges Sell software if you're giving it away Apply open source principles more broadly to openorg, devops, etc. Review which organizational incentives you can implement Who This Book Is For Anyone who has an interest in what is happening in open source and the open source community, and anyone who is contemplating making a business that involves open source.

UNIX Network Programming

On a January afternoon in 1893, men hunkered down behind sandbagged emplacements in the streets of Honolulu, with rifles, machine guns, and cannon ready to open fire. Troops and police loyal to the queen of the sovereign nation of Hawaii faced off against a small number of rebel Honolulu businessmen—American, British, German, and Australian. In

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between them stood hundreds of heavily armed United States sailors and marines. Just after 2:00 p.m., the first shot was fired, and a military coup began. This is the true, tragic, and at times amazing story of the 1893 overthrow of Queen Liliuokalani of Hawaii and her government. It's also the story of a five-year police state regime in Hawaii following the overthrow, an attempted counter-coup by Hawaiians in 1895, and of how Hawaii became a United States possession. In *Taking Hawaii*, award-winning author Stephen Dando-Collins (Standing Bear Is a Person, Legions of Rome, Tycoon's War) reveals previously little-known facts uncovered during years of research on several continents, in the most dramatic and comprehensive chronicle of the end of Hawaii's monarchy ever published. Using scores of firsthand accounts, this often minute-by-minute narrative also shows for the first time how the queen's overthrow teetered on a knife's edge, only to come about purely through bluff. *Taking Hawaii* reads like an exciting novel, yet this tale of a grab for power, of misjudgment and injustice, truly took place. Judge for yourself whether you think the queen of Hawaii was wronged, or was wrong.

Songwriting For Dummies

How Open Source Ate Software

This large format, comprehensive, high quality and visually rich art book covers the history of animation throughout the world, focusing heavily on the North American creative engines of Disney, Warner and now the new, small production CGI houses. The book is divided into world regions to reveal the clear developments in each area, but heavy

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cross referencing will show the increasing internationalization of animation from the 1930's when the industry and creative imagination of Walt Disney began to infect artists and producers the world over, revealed most recently in The Matrix phenomenon where the bridge between the first and subsequent films, (Animatrix, nine animated shorts), was provided by a pioneering collaboration between US and Japanese animation studios. Beginning with the earliest in animation, we follow the few individuals who worked on their own to develop techniques that would soon transform animation into a mass-market phenomenon. In recent years, animation has been hugely impacted by the arrival of the computer, seen in films such as Toy Story and Shrek. Computers have pushed animation to the limit by achieving fine, detailed, real-world rendering techniques that challenge the next generation of animators.

Showstopper!

What starts out as a pilgrimage to a women's conference turns into an unexpected journey toward self-awareness for four dynamic, sexy women. Jackie confronts her vulnerability as she falls for a handsome lawyer, while Hazel makes the toughest confession of her life. Lourdes stands up to her conservative mother, and Irena faces her demons. As they make their way from town to town, laughing, fighting, crying, and bonding, they learn more about one another, and themselves, than they ever bargained for—and turn plenty of heads along the way. . . . From the Trade Paperback edition.

SharePoint For Dummies

The inaugural volume of The Rightful Place of Science book

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series gathers a collection of thinkers who insist there is much to gain from trying to comprehend the politics of technological change and, its close cousin, the practice of science and scientific research. The authors are part of an intellectual and ethical movement to view science and technology neither as objects of worship nor mere scholarly analysis. They wish to improve on the politics of science and to judge their reforms by a pragmatic measure: the quality of the outcomes of science and technology. To these authors, how we talk about technological change matters, because policies ultimately express deeper vernacular yearnings – for democracy, equity and of course utility. In these essays, hard questions get asked, new perspectives are presented, and contrarian understandings abound.

The Sun, the Earth, and Near-earth Space

This “inside account captures the energy—and the madness—of the software giant’s race to develop a critical new program. . . . Gripping” (Fortune Magazine).

Showstopper is the dramatic, inside story of the creation of Windows NT, told by Wall Street Journal reporter G. Pascal Zachary. Driven by the legendary David Cutler, a picked band of software engineers sacrifices almost everything in their lives to build a new, stable, operating system aimed at giving Microsoft a platform for growth through the next decade of development in the computing business. Comparable in many ways to the Pulitzer Prize–winning book *The Soul of a New Machine* by Tracy Kidder, Showstopper gets deep inside the process of software development, the lives and motivations of coders and the pressure to succeed coupled with the drive for originality and perfection that can pull a diverse team together to create a program consisting of many hundreds of

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thousands of lines of code.

Classic Computer Science Problems in Python

Charles Ferguson's hilarious, hard-boiled journey into the heart of high-tech darkness has become the signal book of the start-up generation. Charles Ferguson started Vermeer Technologies and turned his very big idea into FrontPage, the first software product for creating and managing a website. Ferguson took a good idea, started a company, and sold it to Microsoft for \$133 million -- all in less than two years. High Stakes, No Prisoners is both a blistering inside account of how he did it and a brilliant tour of the brutally competitive and utterly unique world of Silicon Valley. - Publisher.

West of Eden

Showstopper is the dramatic, inside story of the creation of Windows NT, told by Wall Street Journal reporter G. Pascal Zachary. Driven by the legendary Bruce Cutler, a picked band of software engineers sacrifices almost everything in their lives to build a new, stable, operating system aimed at giving Microsoft a platform for growth through the next decade of development in the computing business. Comparable in many ways to the Pulitzer Prize-winning book The Soul of a New Machine by Tracy Kidder, Showstopper gets deep inside the process of software development, the lives and motivations of coders and the pressure to succeed coupled with the drive for originality and perfection that can pull a diverse team together to create a program consisting of many hundreds of thousands of lines of code. G. Pascal Zachary is a journalist, author, and teacher. He spent thirteen years as a senior writer for the Wall Street Journal (1989 to 2001) and writes

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regularly for newspapers, magazines, and journals, including Salon, Foreign Policy , the San Francisco Chronicle , the Wilson Quarterly, Fortune , and AlterNet. Zachary concentrates on African affairs. He also writes on globalization, America's role in world affairs, immigration, race and identity, and the dysfunctionalities and divisions in US society. Zachary teaches journalism at Stanford University. He has lectured on various campuses, including those of MIT, Caltech, Puget Sound, UC Berkeley, Connecticut, and Tufts. He is a fellow at the Institute for Applied Economics at Johns Hopkins in Baltimore and a senior associate at the Nautilus Institute in San Francisco. Currently, he is writing a book on the political economy of sub-Saharan Africa and a memoir of his marriage to an African, the Igbo hair braider Chizo Okon. They live with their children in the San Francisco Bay Area. His personal website is www.gpascalzachary.com and he blogs at www.africaworksgpz.com.

Shell of an Idea

Dart for Absolute Beginners enables individuals with no background in programming to create their own web apps while learning the fundamentals of software development in a cutting edge language. Easily digested chapters, while comprehensive enough to explore the whole domain, are aimed at both hobbyists and professionals alike. The reader will not only gain an insight into Dart, but also the technologies behind the web. A firm foundation is laid for further programming studies. Dart is a new, innovative language developed by Google which is poised to take the web by storm. For client side web app development, Dart has many advantages over JavaScript. These include but are not limited to: improved speed, enforcement of programmatic

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structure, and improved facilities for software reuse. Best of all, Dart is automatically converted to JavaScript so that it works with all web browsers. Dart is a fresh start, without the baggage of the last two decades of the web. Why start learning to program with yesterday's technology? Teaches you the fundamentals of programming and the technologies behind the web. Utilizes the cutting edge, easy to learn, structured Dart programming language so that your first steps are pointed towards the future of web development. No prior knowledge is required to begin developing your own web apps.

Taking Hawaii

Award-winning journalist Frank Rose provides a riveting, behind-the-scenes account of a business and a technology in turmoil. The fall of Steve Jobs, the visionary entrepreneur who founded Apple Computer, is also the story of a freewheeling California youth culture on a collision course with corporate America.

The Problem With Software

This book explains the fascinating world of quarks and leptons and the forces that govern their behavior. Told from an experimental physicist's perspective, it forgoes mathematical complexity, using instead particularly accessible figures and apt analogies. In addition to the story of quarks and leptons, which are regarded as well-accepted fact, the author (who is a leading researcher at one of the world's highest energy particle physics laboratories) also discusses mysteries at both the experimental and theoretical frontiers, before tying it all together with the exciting field of

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cosmology and indeed the birth of the universe itself.

The Rightful Place of Science: Politics

This fully updated second edition includes 100+ pages of new material, including new chapters on Verifying Code, Predicting Errors, and Preventing Errors. Cutting-edge tools such as FindBUGS and AGITAR are explained, techniques from integrated environments like Jazz.net are highlighted, and all-new demos with ESC/Java and Spec#, Eclipse and Mozilla are included. This complete and pragmatic overview of debugging is authored by Andreas Zeller, the talented researcher who developed the GNU Data Display Debugger(DDD), a tool that over 250,000 professionals use to visualize the data structures of programs while they are running. Unlike other books on debugging, Zeller's text is product agnostic, appropriate for all programming languages and skill levels. Why Programs Fail explains best practices ranging from systematically tracking error reports, to observing symptoms, reproducing errors, and correcting defects. It covers a wide range of tools and techniques from hands-on observation to fully automated diagnoses, and also explores the author's innovative techniques for isolating minimal input to reproduce an error and for tracking cause and effect through a program. It even includes instructions on how to create automated debugging tools. The new edition of this award-winning productivity-booster is for any developer who has ever been frustrated by elusive bugs. Brand new chapters demonstrate cutting-edge debugging techniques and tools, enabling readers to put the latest time-saving developments to work for them. Learn by doing. New exercises and detailed examples focus on emerging tools, languages and environments, including AGITAR, FindBUGS,

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Python and Eclipse. The text includes exercises and extensive references for further study, and a companion website with source code for all examples and additional debugging resources.

Inside Windows NT

'Chris Moon knows about tough' - The Times 'This man is a hero for our times' - Daily Mail While supervising mine-clearance in Mozambique in 1995, Chris Moon was blown up in the supposedly clear area of the safety lane. He lost his lower right leg and right arm and survived only through sheer determination. Less than a year after leaving hospital, he ran the London Marathon, raising money for charities assisting the disabled, defying all expectations for his own future. He has since completed more than fifteen other marathons, including the punishing Marathon des Sables, which is a 137 mile race across the Sahara. One Step Beyond is Chris Moon's story so far. He has led a life of remarkable experiences, from being one of the few people to survive kidnap by the Khmer Rouge, to running the final stage of the Olympic torch relay to Nagano for the opening of the 18th Winter Olympics in 1998. Chris Moon writes with wit and charm, passion and belief, and his tale is truly one of adventure, romance and inspiration. 'An inspiring book written by a very brave and modest man' - Richard Branson 'A wonderful read replete with humour and honesty' - Steve Cram 'This powerful book will give you an insight into Chris Moon and, like me, you will feel humbled in his presence' - Tracey Edwards

Showstopper!

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Now in paperback, the inside story of "the greatest transformation of Microsoft since it became a multinational company" Marshall Phelps's remarkable eyewitness story offers lessons for any executive struggling with today's innovation and intellectual property challenges. *Burning the Ships* offers Phelps's dramatic behind-the-scenes account of how he overcame internal resistance and got Microsoft to open up channels of collaboration with other firms. Discover the never-before-told details of Microsoft's secret two-year negotiations with Red Hat and Novell that led to the world's first intellectual property peace treaty and technical collaboration with the open source community. Witness the sometimes-nervous support Bill Gates and CEO Steve Ballmer gave to Phelps in turning their company around 180 degrees from market bully to collaborative industry partner. Offers an extraordinary behind-the-scenes view of the high-level deliberations of the company's senior-most executives, the internal debates and conflicts among executives and rank-and-file employees alike over the company's new collaborative direction. There are lessons in this book for executives in every industry—most especially on the role that intellectual property can play in liberating previously untapped value in a company and opening up powerful new business opportunities in today's era of "open innovation." Here is a powerful inside account of the dawn of a new era at what is arguably the most powerful technology company on earth.

Managing Software Engineering Knowledge

With an emphasis on peer-produced content and collaboration, Wikipedia exemplifies a departure from traditional management and organizational models. This

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iconic "project" has been variously characterized as a hive mind and an information revolution, attracting millions of new users even as it has been denigrated as anarchic and plagued by misinformation. Have Wikipedia's structure and inner workings promoted its astonishing growth and enduring public relevance? In *Common Knowledge?*, Dariusz Jemielniak draws on his academic expertise and years of active participation within the Wikipedia community to take readers inside the site, illuminating how it functions and deconstructing its distinctive organization. Against a backdrop of misconceptions about its governance, authenticity, and accessibility, Jemielniak delivers the first ethnography of Wikipedia, revealing that it is not entirely at the mercy of the public: instead, it balances open access and power with a unique bureaucracy that takes a page from traditional organizational forms. Along the way, Jemielniak incorporates fascinating cases that highlight the tug of war among the participants as they forge ahead in this pioneering environment.

Understanding the Universe

A true story of love, murder, and the end of the world's "great hush." In *Thunderstruck*, Erik Larson tells the interwoven stories of two men—Hawley Crippen, a very unlikely murderer, and Guglielmo Marconi, the obsessive creator of a seemingly supernatural means of communication—whose lives intersect during one of the greatest criminal chases of all time. Set in Edwardian London and on the stormy coasts of Cornwall, Cape Cod, and Nova Scotia, *Thunderstruck* evokes the dynamism of those years when great shipping companies competed to build the biggest, fastest ocean liners; scientific advances dazzled the

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public with visions of a world transformed; and the rich outdid one another with ostentatious displays of wealth. Against this background, Marconi races against incredible odds and relentless skepticism to perfect his invention: the wireless, a prime catalyst for the emergence of the world we know today. Meanwhile, Crippen, “the kindest of men,” nearly commits the perfect murder. With his unparalleled narrative skills, Erik Larson guides us through a relentlessly suspenseful chase over the waters of the North Atlantic. Along the way, he tells of a sad and tragic love affair that was described on the front pages of newspapers around the world, a chief inspector who found himself strangely sympathetic to the killer and his lover, and a driven and compelling inventor who transformed the way we communicate.

Dart for Absolute Beginners

In the bestselling tradition of *The Soul of a New Machine*, *Dealers of Lightning* is a fascinating journey of intellectual creation. In the 1970s and '80s, Xerox Corporation brought together a brain-trust of engineering geniuses, a group of computer eccentrics dubbed PARC. This brilliant group created several monumental innovations that triggered a technological revolution, including the first personal computer, the laser printer, and the graphical interface (one of the main precursors of the Internet), only to see these breakthroughs rejected by the corporation. Yet, instead of giving up, these determined inventors turned their ideas into empires that radically altered contemporary life and changed the world. Based on extensive interviews with the scientists, engineers, administrators, and executives who lived the story, this riveting chronicle details PARC's humble beginnings through its triumph as a hothouse for ideas, and shows why Xerox

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was never able to grasp, and ultimately exploit, the cutting-edge innovations PARC delivered. Dealers of Lightning offers an unprecedented look at the ideas, the inventions, and the individuals that propelled Xerox PARC to the frontier of technohistory--and the corporate machinations that almost prevented it from achieving greatness.

The Diversity Advantage

Microsoft Windows NT is the foundation of the new 32-bit operating system designed to support the most powerful workstation and server systems. The initial developer support for Windows NT has been phenomenal--developers have demonstrated more than 50 Windows NT applications only months after receiving the pre-release version of the software. This authoritative text--by a member of the Windows NT development group--is a richly detailed technical overview of the design goals and architecture of Windows NT. (Operating Systems)

Dealers of Lightning

Gates reveals the guiding genius behind the unparalleled success of the Microsoft Corporation-- the biggest and most profitable personal computer software company in history-- and exposes the intensely competitive tactics that help it dominate the desktops of America. Chairman and co-founder of Microsoft, Bill Gates is the most powerful person in the computer industry and the youngest self-made billionaire in history. His company's DOS and Windows programs are such universal standards that more than nine out of ten personal computers depend on Microsoft software. Under the "Microsoft Everywhere" rallying cry, Gates intends to expand

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his company's worldwide dominance to office equipment, communications, and home entertainment. Vivid and definitive, Gates details the behind the scenes history of the personal computer industry and its movers and shakers, from Apple to IBM, from Steve Jobs to Ross Perot. Uncovering the inside stories of the bitter battle for control of the expanding personal computing market, Gates is a bracing, comprehensive portrait of the industry, the company, and the man-- and what they mean for a future where software is everything.

Conspiracy of Fools

"For intermediate Python programmers"--Back cover.

Takedown

Revised and updated to reflect new technologies in the field, the fourth edition of this popular text takes an in-depth look at the social costs and moral problems that have emerged by the ever expanding use of the Internet, and offers up-to-date legal and philosophical examinations of these issues. It focuses heavily on content control, free speech, intellectual property, and security while delving into new areas of blogging and social networking. Case studies throughout discuss real-world events and include coverage of numerous hot topics. In the process of exploring current issues, it identifies legal disputes that will likely set the standard for future cases. Instructor Resources:-PowerPoint Lecture Outlines

Common Knowledge?

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Multilayer networks is a rising topic in Network Science which characterizes the structure and the function of complex systems formed by several interacting networks. Multilayer networks research has been propelled forward by the wide realm of applications in social, biological and infrastructure networks and the large availability of network data, as well as by the significance of recent results, which have produced important advances in this rapidly growing field. This book presents a comprehensive account of this emerging field. It provides a theoretical introduction to the main results of multilayer network science.

One Step Beyond

An industry insider explains why there is so much bad software—and why academia doesn't teach programmers what industry wants them to know. Why is software so prone to bugs? So vulnerable to viruses? Why are software products so often delayed, or even canceled? Is software development really hard, or are software developers just not that good at it? In *The Problem with Software*, Adam Barr examines the proliferation of bad software, explains what causes it, and offers some suggestions on how to improve the situation. For one thing, Barr points out, academia doesn't teach programmers what they actually need to know to do their jobs: how to work in a team to create code that works reliably and can be maintained by somebody other than the original authors. As the size and complexity of commercial software have grown, the gap between academic computer science and industry has widened. It's an open secret that there is little engineering in software engineering, which continues to rely not on codified scientific knowledge but on intuition and experience. Barr, who worked as a programmer

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for more than twenty years, describes how the industry has evolved, from the era of mainframes and Fortran to today's embrace of the cloud. He explains bugs and why software has so many of them, and why today's interconnected computers offer fertile ground for viruses and worms. The difference between good and bad software can be a single line of code, and Barr includes code to illustrate the consequences of seemingly inconsequential choices by programmers. Looking to the future, Barr writes that the best prospect for improving software engineering is the move to the cloud. When software is a service and not a product, companies will have more incentive to make it good rather than "good enough to ship."

Animation Art

G. Pascal Zachary is a foreign correspondent for The Wall Street Journal when he finds love in, of all places, the zoo in Accra, Ghana. That is where he meets Chizo Okon, the surrogate mother for an orphaned chimpanzee. In *Married to Africa*, Zachary tells their warm and humorous story, which is as much about the marriage of two cultures as it is about the marriage of two people. Chizo introduces Zachary to an Africa usually overlooked by visitors. He learns about the spiritual fervor of ordinary Africans, the mysterious power of juju and the rewards of eating bushmeat and other African dishes. He learns how to haggle effectively, pick a reliable taxi driver, live on "Africa time" and adapt to being a white minority in a black society. Chizo, meanwhile, deftly adapts to living with her obruni, the local nickname for a white person. As their romance deepens, the couple learns how differently things can appear to them. While Zachary indulges a passion for traditional African art, Chizo worries about the possible evil

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spirits harbored in his wooden statues. When the two move to San Francisco, Chizo must learn to navigate a new world. The result is a different kind of immigrant story, powered by a series of wacky, wonderful and unforgettable tales -- such as Chizo taking a machete to Zachary's ex-wife's garden (not out of malice, of course), driving enthusiastically without a license, charming her hard-boiled Jewish mother-in-law and managing requests from poor relatives in Africa. The arrival of Chizo's teenage daughter marks the end of the beginning and the start of a new saga in this uniquely American love story. Married to Africa is a tender and charming account of a marriage and a fascinating look at how two people come to know each other across culture and race.

Thunderstruck

From an award-winning New York Times reporter comes the full, mind-boggling story of the lies, crimes, and ineptitude behind the Enron scandal that imperiled a presidency, destroyed a marketplace, and changed Washington and Wall Street forever. It was the corporate collapse that appeared to come out of nowhere. In late 2001, the Enron Corporation--a darling of the financial world, a company whose executives were friends of presidents and the powerful--imploded virtually overnight, leaving vast wreckage in its wake and sparking a criminal investigation that would last for years. Kurt Eichenwald transforms the unbelievable story of the Enron scandal into a rip-roaring narrative of epic proportions, taking readers behind every closed door--from the Oval Office to the executive suites, from the highest reaches of the Justice Department to the homes and bedrooms of the top officers. It is a tale of global reach--from Houston to Washington, from Bombay to London, from Munich to Sao Paulo--laying out the

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unbelievable scenes that twisted together to create this shocking true story. Eichenwald reveals never-disclosed details of a story that features a cast including George W. Bush, Dick Cheney, Paul O'Neill, Harvey Pitt, Colin Powell, Gray Davis, Arnold Schwarzenegger, Alan Greenspan, Ken Lay, Andy Fastow, Jeff Skilling, Bill Clinton, Rupert Murdoch and Sumner Redstone. With its you-are-there glimpse into the secretive worlds of corporate power, Conspiracy of Fools is an all-true financial and political thriller of cinematic proportions.

Prescription for the Planet

"Raymond Chen is the original raconteur of Windows." --Scott Hanselman, ComputerZen.com "Raymond has been at Microsoft for many years and has seen many nuances of Windows that others could only ever hope to get a glimpse of. With this book, Raymond shares his knowledge, experience, and anecdotal stories, allowing all of us to get a better understanding of the operating system that affects millions of people every day. This book has something for everyone, is a casual read, and I highly recommend it!" --Jeffrey Richter, Author/Consultant, Cofounder of Wintellect "Very interesting read. Raymond tells the inside story of why Windows is the way it is." --Eric Gunnerson, Program Manager, Microsoft Corporation "Absolutely essential reading for understanding the history of Windows, its intricacies and quirks, and why they came about." --Matt Pietrek, MSDN Magazine's Under the Hood Columnist "Raymond Chen has become something of a legend in the software industry, and in this book you'll discover why. From his high-level reminiscences on the design of the Windows Start button to his low-level discussions of GlobalAlloc that only your inner-geek could

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love, The Old New Thing is a captivating collection of anecdotes that will help you to truly appreciate the difficulty inherent in designing and writing quality software." --Stephen Toub, Technical Editor, MSDN Magazine Why does Windows work the way it does? Why is Shut Down on the Start menu? (And why is there a Start button, anyway?) How can I tap into the dialog loop? Why does the GetWindowText function behave so strangely? Why are registry files called "hives"? Many of Windows' quirks have perfectly logical explanations, rooted in history. Understand them, and you'll be more productive and a lot less frustrated. Raymond Chen--who's spent more than a decade on Microsoft's Windows development team--reveals the "hidden Windows" you need to know. Chen's engaging style, deep insight, and thoughtful humor have made him one of the world's premier technology bloggers. Here he brings together behind-the-scenes explanations, invaluable technical advice, and illuminating anecdotes that bring Windows to life--and help you make the most of it. A few of the things you'll find inside: What vending machines can teach you about effective user interfaces A deeper understanding of window and dialog management Why performance optimization can be so counterintuitive A peek at the underbelly of COM objects and the Visual C++ compiler Key details about backwards compatibility--what Windows does and why Windows program security holes most developers don't know about How to make your program a better Windows citizen

Inside Windows NT

" Concise explanations and descriptions - easily read and readily understood - of what we know of the chain of events and processes that connect the Sun to the Earth, with special

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emphasis on space weather and Sun-Climate."--Dear Reader.

Burning the Ships

Software development is a complex problem-solving activity with a high level of uncertainty. There are many technical challenges concerning scheduling, cost estimation, reliability, performance, etc, which are further aggravated by weaknesses such as changing requirements, team dynamics, and high staff turnover. Thus the management of knowledge and experience is a key means of systematic software development and process improvement. "Managing Software Engineering Knowledge" illustrates several theoretical examples of this vision and solutions applied to industrial practice. It is structured in four parts addressing the motives for knowledge management, the concepts and models used in knowledge management for software engineering, their application to software engineering, and practical guidelines for managing software engineering knowledge. This book provides a comprehensive overview of the state of the art and best practice in knowledge management applied to software engineering. While researchers and graduate students will benefit from the interdisciplinary approach leading to basic frameworks and methodologies, professional software developers and project managers will also profit from industrial experience reports and practical guidelines.

Flight Risk

Proven techniques for songwriting success This friendly, hands-on guide tackles the new face of the recording industry, guiding you through the shift from traditional sales to

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downloads and mobile music, as well as how you can harness social media networks to get your music "out there." You get basic songwriting concepts, insider tips and advice, and inspiration for writing — and selling — meaningful, timeless songs. Songwriting 101 — get a grip on everything you need to know to write a song, from learning to listen to your "inner voice" to creating a "mood" and everything in between Jaunt around the genres — discover the variety of musical genres and find your fit, whether it's rock, pop, R&B, gospel, country, or more Let the lyrics out — master the art of writing lyrics, from finding your own voice to penning the actual words to using hooks, verses, choruses, and bridges Make beautiful music — find your rhythm, make melodies, and use chords to put the finishing touches on your song Work the Web — harness online marketing and social networks like Facebook, Twitter, and others to get your music heard by a whole new audience Open the book and find: What you need to know before you write a single note Tips on finding inspiration Ways to use poetic devices in lyrics Computer and Web-based shortcuts and technologies to streamline songwriting A look at famous songwriting collaborators Writing for stage, screen, and television How to make a demo to get your song heard Advice on how to make money from your music Songwriting For Dummies, 2nd Edition (9781119675655) was previously published as Songwriting For Dummies, 2nd Edition (9780470615140). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product.

Divas Don't Yield

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High Stakes, No Prisoners

Pulitzer Prize winner Tracy Kidder memorably records the drama, comedy, and excitement of one company's efforts to bring a new microcomputer to market. Computers have changed since 1981, when *The Soul of a New Machine* first examined the culture of the computer revolution. What has not changed is the feverish pace of the high-tech industry, the go-for-broke approach to business that has caused so many computer companies to win big (or go belly up), and the cult of pursuing mind-bending technological innovations. *The Soul of a New Machine* is an essential chapter in the history of the machine that revolutionized the world in the twentieth century.

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