

## Program Or Be Programmed Ten Commands For A Digital Age 1st First Edition By Douglas Rushkoff Published By Or Books 2010

Liza Monroy’s new book is collection of deeply personal essays that tackle the universal themes of romantic and familial love, fate and chance, all told in a humorous and intelligent manner that keeps the reader yearning for more. Created in the wake of Liza’s popular essays– including her piece for the Modern Love column in the New York Times — Seeing As Your Shoes Are Soon To Be On Fire chronicles Liza’s many misadventures in her quest for love. These misadventures span a variety of countries and a variety of men, all bound together under the watchful eye of her eccentric, single mother, a profiler for the U.S. State Department, who is soon using her professional aptitude to weed out the men in her daughter’s path. Filled with quirky details and archetypal characters from our everyday lives, with stories that are both wildly hilarious and deeply heartfelt, Seeing As Your Shoes Are Soon To Be On Fire is both a vulnerably open testament to Liza’s personal experiences and an intriguing work that confronts the odds of finding love and intimacy in the increasingly depersonalized world of technology.

A completely revised edition, offering new design recipes for interactive programs and support for images as plain values, testing, event-driven programming, and even distributed programming. This introduction to programming places computer science at the core of a liberal arts education. Unlike other introductory books, it focuses on the program design process, presenting program design guidelines that show the reader how to analyze a problem statement, how to formulate concise goals, how to make up examples, how to develop an outline of the solution, how to finish the program, and how to test it. Because learning to design programs is about the study of principles and the acquisition of transferable skills, the text does not use an off-the-shelf industrial language but presents a tailor-made teaching language. For the same reason, it offers DrRacket, a programming environment for novices that supports playful, feedback-oriented learning. The environment grows with readers as they master the material in the book until it supports a full-fledged language for the whole spectrum of programming tasks. This second edition has been completely revised. While the book continues to teach a systematic approach to program design, the second edition introduces different design recipes for interactive programs with graphical interfaces and batch programs. It also enriches its design recipes for functions with numerous new hints. Finally, the teaching languages and their IDE now come with support for images as plain values, testing, event-driven programming, and even distributed programming.

Why doesn’t the explosive growth of companies like Facebook and Uber deliver more prosperity for everyone? What is the systemic problem that sets the rich against the poor and the technologists against everybody else? When protesters shattered the windows of a bus carrying Google employees to work, their anger may have been justifiable, but it was misdirected. The true conflict of our age isn’t between the unemployed and the digital elite, or even the 99 percent and the 1 percent. Rather, a tornado of technological improvements has spun our economic program out of control, and humanity as a whole—the protesters and the Google employees as well as the shareholders and the executives—are all trapped by the consequences. It’s time to optimize our economy for the human beings it’s supposed to be serving. In this groundbreaking book, acclaimed media scholar and author Douglas Rushkoff tells us how to combine the best of human nature with the best of modern technology. Tying together disparate threads—big data, the rise of robots and AI, the increasing participation of algorithms in stock market trading, the gig economy, the collapse of the eurozone—Rushkoff provides a critical vocabulary for our economic moment and a nuanced portrait of humans and commerce at a critical crossroads. We’re in an age of information overload, and too much of what we watch, hear and read is mistaken, deceitful or even dangerous. Yet you and I can take control and make media serve us -- all of us -- by being active consumers and participants. Here’s how. With a Foreword by Clay Shirky Praise for Mediactive: "Dan Gillmor has thought more deeply, more usefully, and over a longer period of time about the next stages of media evolution than just about anyone else. In Mediactive, he puts the results of his ideas and experiments together in a guide full of practical tips and longer-term inspirations for everyone affected by rapid changes in the news ecology. This book is a very worthy successor to his influential We the Media." --James Fallows, Atlantic Magazine, author of Postcards from Tomorrow Square and Breaking the News "Dan’s book helps us understand when the news we read is reliable and trustworthy, and how to determine when what we’re reading is intended to deceive. A trustworthy press is required for the survival of a democracy, and we really need this book right now." --Craig Newmark, founder of craigslist "A master-class in media-literacy for the 21st century, operating on all scales from the finest details of navigating wiki software all the way up to sensible and smart suggestions for reforming law and policy to make the news better and fairer. Gillmor’s a reporter’s reporter for the information age, Mediactive made me want to stand up and salute." --Cory Doctorow, co-editor/owner, Boing Boing; author of For the Win "As the lines between professional and citizen journalists continue to blur, Mediactive provides a useful roadmap to help us become savvier consumers and creators alike." -- Steve Case, chairman and CEO of Revolution and co-founder of America Online "It’s all true - at least to someone. And that’s the problem in a hypermediated world where everyone and anyone can represent his own reality. Gillmor attacks the problem of representation and reality head on, demanding we become media-active users of our emerging media, instead of passive consumers. If this book doesn’t get you out of Facebook and back on the real Internet, nothing will." --Douglas Rushkoff, author of Program or Be Programmed: Ten Commands for a Digital Age "An important book showing people how to swim rather than drown in today’s torrent of information. Dan Gillmor lives on the front line of digital information - there’s no-one better to help us understand the risks and opportunities or help us ask the right questions." --Richard Sambrook, Global Vice Chairman and Chief Content Officer at Edelman, and former BBC Director of Global News "With the future of journalism and democracy in peril, Mediactive comes along with sage and practical advice at a crucial time. Dan Gillmor, pioneering journalist and teacher of journalists, offers a practical guide to citizens who now need to become active producers as well as critical consumers of media. Read this book right away, buy one for a friend and another one for a student, and then put Gillmor’s advice into action." --Howard Rheingold, author of the Smart Mobs and other books about our digital future "Through common-sense guidelines and well-chosen examples, Gillmor shows how anyone can navigate the half-truths, exaggerations and outright falsehoods that permeate today’s media environment and ferret out what is true and important. As Gillmor writes, 'When we have unlimited sources of information, and when so much of what comes at us is questionable, our lives get more challenging. They also get more interesting.'" --Dan Kennedy, assistant professor of journalism at Northeastern University, former Boston Phoenix media critic, and author of the Media Nation blog at www.dankennedy.net

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Blur

A Modern Introduction to Programming

A Lexicon

How Growth Became the Enemy of Prosperity

When Everything Happens Now

A single line of code offers a way to understand the cultural context of computing. This book takes a single line of code—the extremely concise BASIC program for the Commodore 64 inscribed in the title—and uses it as a lens through which to consider the phenomenon of creative computing and the way computer programs exist in culture. The authors of this collaboratively written book treat code not as merely functional but as a text—in the case of 10 PRINT, a text that appeared in many different printed sources—that yields a story about its making, its purpose, its assumptions, and more. They consider randomness and regularity in computing and art, the maze in culture, the popular BASIC programming language, and the highly influential Commodore 64 computer.

The debate over whether the Net is good or bad for us fills the airwaves and the blogosphere. But for all the heat of claim and counter-claim, the argument is essentially beside the point: it's here; it's everywhere. The real question is, do we direct technology, or do we let ourselves be directed by it and those who have mastered it? "Choose the former," writes Rushkoff, "and you gain access to the control panel of civilization. Choose the latter, and it could be the last real choice you get to make." In ten chapters, composed of ten "commands" accompanied by original illustrations from comic artist Leland Purvis, Rushkoff provides cyberenthusiasts and technophobes alike with the guidelines to navigate this new universe. In this spirited, accessible poetics of new media, Rushkoff picks up where Marshall McLuhan left off, helping readers come to recognize programming as the new literacy of the digital age—and as a template through which to see beyond social conventions and power structures that have vexed us for centuries. This is a friendly little book with a big and actionable message. World-renowned media theorist and counterculture figure Douglas Rushkoff is the originator of ideas such as "viral media," "social currency" and "screenagers." He has been at the forefront of digital society from its beginning, correctly predicting the rise of the net, the dotcom boom and bust, as well as the current financial crisis. He is a familiar voice on NPR, face on PBS, and writer in publications from Discover Magazine to the New York Times.

Completely revised and updated, this best-selling introduction to programming in JavaScript focuses on writing real applications. JavaScript lies at the heart of almost every modern web application, from social apps like Twitter to browser-based game frameworks like Phaser and Babylon. Though simple for beginners to pick up and play with, JavaScript is a flexible, complex language that you can use to build full-scale applications. This much anticipated and thoroughly revised third edition of Eloquent JavaScript dives deep into the JavaScript language to show you how to write beautiful, effective code. It has been updated to reflect the current state of Java–Script and web browsers and includes brand-new material on features like class notation, arrow functions, iterators, async functions, template strings, and block scope. A host of new exercises have also been added to test your skills and keep you on track. As with previous editions, Haverbeke continues to teach through extensive examples and immerses you in code from the start, while exercises and full-chapter projects give you hands-on experience with writing your own programs. You start by learning the basic structure of the JavaScript language as well as control structures, functions, and data structures to help you write basic programs. Then you'll learn about error handling and bug fixing, modularity, and asynchronous programming before moving on to web browsers and how JavaScript is used to program them. As you build projects such as an artificial life simulation, a simple programming language, and a paint program, you'll learn how to: - Understand the essential elements of programming, including syntax, control, and data - Organize and clarify your code with object-oriented and functional programming techniques - Script the browser and make basic web applications - Use the DOM effectively to interact with browsers - Harness Node.js to build servers and utilities Isn't it time you became fluent in the language of the Web? \* All source code is available online in an inter–active sandbox, where you can edit the code, run it, and see its output instantly.

A trip through modern computer culture that examines the cyberpunk movement, the hacker sub-culture, virtual reality, and smart drugs

Software Studies

The Nature of Code

Going Rouge

How to Get High Without Drugs

Programming the BBC Micro

Aleister & Adolf

Reasoned Programming

Douglas Rushkoff was one of the first social commentators to identify the new culture around the internet. He has spent nearly a decade advising companies on the ways they can re-orient their businesses to the transformations the internet has caused. Through his speaking and consulting, Rushkoff has discovered an important and unrecognized shift in American business. Too many companies are panicked and operating in survival mode when the worst of the crisis has already passed. Likening the internet transformation to the intellectual and technological ferment of the Enlightenment, Rushkoff suggests we have a remarkable opportunity to re-integrate our new perspective with the work we actually do. Instead of running around trying to "think out of the box," Rushkoff demonstrates, now is the time to "get back in the box" and improve the way we do our jobs, run our operations and drive innovation from the ground up. Combining stories gleaned from his consulting with a thrilling tour of history's dramatic moments and clever readings of cultural shift we've just experienced, Rushkoff offers a compelling vision of the simple and effective ways businesses can re-invigorate themselves.

This comprehensive textbook covers in detail the principal programmable automation technologies used in industry - the building blocks from which all automated manufacturing is developed. It is a one-stop source for developing CNC, robotics, and PLC programming skills, is replete with numerous examples, and it identifies and discusses readily available simulation software to experiment with. The text is primarily intended for undergraduate engineering technology students. Besides, anyone with a technical background and a general understanding of manufacturing and manufacturing processes will find this text useful, as well as to those who wish, simply, to study and understand the use of these technologies The text is organized into four sections. Section One is introductory: Chapter 1 provides some background on manu-facturing and defines programmable automation. Chapter 2 explains calculation methods used to justify automation expenditures, as motivated by productivity concepts. Section Two covers computer numerical control: Chapter Chapter 3 introduces CNC technology. Chapter 4 discusses CNC programming, and Chapter 5 addresses CNC simulation. Robotics is covered in Section Three: Chapter 6 introduces robotics technology and Chapter 7 goes over both robotics programming and simulation. Section Four addresses PLCs: Chapter 8 introduces PLCs and Chapter 9 covers programming and simulation of PLCs. Finally, Chapter 10 concludes the text with a discussion of how all three technologies are brought together to create programmable automated workstations and work cells.

This text is for use by advanced undergraduate/graduate students of computer science.

Ruby is famous for being easy to learn, but most users only scratch the surface of what it can do. While other books focus on Ruby’s trendier features, The Book of Ruby reveals the secret inner workings of one of the world’s most popular programming languages, teaching you to write clear, maintainable code. You’ll start with the basics—types, data structures, and control flows—and progress to advanced features like blocks, mixins, metaclasses, and beyond. Rather than bog you down with a lot of theory, The Book of Ruby takes a hands-on approach and focuses on making you productive from day one. As you follow along, you’ll learn to: -Leverage Ruby’s succinct and flexible syntax to maximize your productivity -Balance Ruby’s functional, imperative, and object-oriented features -Write self-modifying programs using dynamic programming techniques -Create new fibers and threads to manage independent processes concurrently -Catch and recover from execution errors with robust exception handling -Develop powerful web applications with the Ruby on Rails framework Each chapter includes a "Digging Deeper" section that shows you how Ruby works under the hood, so you’ll never be caught off guard by its deceptively simple scoping, multithreading features, or precedence rules.

Whether you’re new to programming or just new Ruby, The Book of Ruby is your guide to rapid, real-world software development with this unique and elegant language.

Practices and Politics

User Interface Design for Programmers

Life Inc

Stoned Free

Designing Embedded Hardware

Discovering the Brain

Bastard Culture!

This book is a new up and coming all in one Reference book for the CNC machinist. This book covers basic Mill and Lathe G-Code CNC programming. In addition to basic programming this book has many useful formulas and charts for everyday use for the CNC Machinist. Counterbore, Centerdrill, Countersink, and Internal and External Thread Charts. Trig reference page. Drill point/countersink diameter formulas and also Surface Footage formula with Chart. Please check out my complimentary books: CNC Programming: Basics & Tutorial CNC Programming: Basics & Tutorial Textbook www.cncprogrammingbook.com www.cncbasics.com - Projects & Discounts

The Simulation Hypothesis, by best-selling author, renowned MIT computer scientist and Silicon Valley video game designer Rizwan Virk, is the first serious book to explain one of the most daring and consequential theories of our time. Riz is the Executive Director of Play Labs @ MIT, a video game startup incubator at the MIT Game Lab. Drawing from research and concepts from computer science, artificial intelligence, video games, quantum physics, and referencing both speculative fiction and ancient eastern spiritual texts, Virk shows how all of these traditions come together to point to the idea that we may be inside a simulated reality like the Matrix. The Simulation Hypothesis is the idea that our physical reality, far from being a solid physical universe, is part of an increasingly sophisticated video game-like simulation, where we all have multiple lives, consisting of pixels with its own internal clock run by some giant Artificial Intelligence. Simulation theory explains some of the biggest mysteries of quantum and relativistic physics, such as quantum indeterminacy, parallel universes, and the integral nature of the speed of light. Recently, the idea that we may be living in a giant video game has received a lot of attention: “ There ’ s a one in a billion chance we are not living in a simulation ” -Elon Musk “ I find it hard to argue we are not in a simulation. ” -Neil deGrasse Tyson “ We are living in computer generated reality. ” -Philip K. Dick Video game technology has developed from basic arcade and text adventures to MMORPGs. Video game designer Riz Virk shows how these games may continue to evolve in the future, including virtual reality, augmented reality, Artificial Intelligence, and quantum computing. This book shows how this evolution could lead us to the point of being able to develop all encompassing virtual worlds like the Oasis in Ready Player One, or the simulated reality in the Matrix. While the idea sounds like science fiction, many scientists, engineers, and professors have given the Simulation Hypothesis serious consideration. Futurist Ray Kurzweil has popularized the idea of downloading our consciousness into a silicon based device, which would mean we are just digital information after all. Some, like Oxford lecturer Nick Bostrom, goes further and thinks we may in fact be artificially intelligent consciousness inside such a simulation already! But the Simulation Hypothesis is not just a modern idea. Philosophers like Plato have been telling us that we live in a “ cave ” and can only see shadows of the real world. Mystics of all traditions have long contended that we are living in some kind of “ illusion ” and that there are other realities which we can access with our minds. While even Judeo-Christian traditions have this idea, Eastern traditions like Buddhism and Hinduism make this idea part of their core tradition — that we are inside a dream world ( “ Maya ” or illusion, or Vishnu ’ s Dream), and we have “ multiple lives ” playing different characters when one dies, continuing to gain experience and “ level up ” after completing certain challenges. Sounds a lot like a video game! Whether you are a computer scientist, a fan of science fiction like the Matrix movies, a video game enthusiast, or a spiritual seeker, The Simulation Hypothesis touches on all these areas, and you will never look at the world the same way again!

This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

A critical guide in an age when the line between citizen and journalist is becoming increasingly unclear.

Throwing Rocks at the Google Bus

Program Or Be Programmed

How Corporatism Conquered the World, and How We Can Take It Back

A Hands-On Guide for the Adventurous

Sarah Palin : an American Nightmare

Programming Embedded Systems

Ten Commands for a Digital Age

A friendly little book with a big and actionable message helps readers come to recognize programming as the new literacy of the digital age. The debate over whether the Net is good or bad for us fills the airwaves and the blogosphere. But for all the heat of claim and counter-claim, the argument is essentially beside the point: It’s here; it’s everywhere. The real question is, do we direct technology, or do we let ourselves be directed by it and those who have mastered it? “Choose the former,” writes Rushkoff, “and you gain access to the control panel of civilization. Choose the latter, and it could be the last real choice you get to make.” In this spirited, accessible guide to poetics of new media, Rushkoff picks up where Marshall McLuhan left off to create a template through which to see beyond the social conventions and power structures that have vexed us for centuries. In ten chapters, composed of ten “commands” accompanied by original illustrations from comic artist Leland Purvis, Rushkoff provides cyber enthusiasts and technophobes alike with the guidelines to navigate this new universe.

Introduces the features of the C programming language, discusses data types, variables, operators, control flow, functions, pointers, arrays, and structures, and looks at the UNIX system interface

The brain ... There is no other part of the human anatomy that is so intriguing. How does it develop and function and why does it sometimes, tragically, degenerate? The answers are complex. In Discovering the Brain, science writer Sandra Ackerman cuts through the complexity to bring this vital topic to the public. The 1990s were declared the “Decade of the Brain” by former President Bush, and the neuroscience community responded with a host of new investigations and conferences. Discovering the Brain is based on the Institute of Medicine conference, Decade of the Brain: Frontiers in Neuroscience and Brain Research. Discovering the Brain is a “field guide” to the brain--an easy-to-read discussion of the brain’s physical structure and where functions such as language and music appreciation lie. Ackerman examines How electrical and chemical signals are conveyed in the brain. The mechanisms by which we see, hear, think, and pay attention--and how a “gut feeling” actually originates in the brain. Learning and memory retention, including parallels to computer memory and what they might tell us about our own mental capacity. Development of the brain throughout the life span, with a look at the aging brain. Ackerman provides an enlightening chapter on the connection between the brain’s physical condition and various mental disorders and notes what progress can realistically be made toward the prevention and treatment of stroke and other ailments. Finally, she explores the potential for major advances during the “Decade of the Brain,” with a look at medical imaging techniques--what various technologies can and cannot tell us--and how the public and private sectors can contribute to continued advances in neuroscience. This highly readable volume will provide the public and policymakers--and many scientists as well--with a helpful guide to understanding the many discoveries that are sure to be announced throughout the “Decade of the Brain.”

The computer and particularly the Internet have been represented as enabling technologies, turning consumers into users and users into producers. The unfolding online cultural production by users has been framed enthusiastically as participatory culture. But while many studies of user activities and the use of the Internet tend to romanticize emerging media practices, this book steps beyond the usual framework and analyzes user participation in the context of accompanying popular and scholarly discourse, as well as the material aspects of design, and their relation to the practices of design and appropriation.

Why We Listen to What “They” Say

An Introduction to Programming and Computing

**Reference Book**

CNC Programming

Seeing As Your Shoes Are Soon to be on Fire

A First Course in Programming and Statistics

Program or Be Programmed

How can we capture the unpredictable evolutionary and emergent properties of nature in software? How can understanding the mathematical principles behind our physical world help us to create digital worlds? This book focuses on a range of programming strategies and techniques behind computer simulations of natural systems, from elementary concepts in mathematics and physics to more advanced algorithms that enable sophisticated visual results. Readers will progress from building a basic physics engine to creating intelligent moving objects and complex systems, setting the foundation for further experiments in generative design. Subjects covered include forces, trigonometry, fractals, cellular automata, self-organization, and genetic algorithms. The book's examples are written in Processing, an open-source language and development environment built on top of the Java programming language. On the book's website (<http://www.natureofcode.com>), the examples run in the browser via Processing's JavaScript mode.

The most virulent viruses today are composed of information. In this information-driven age, the easiest way to manipulate the culture is through the media. A hip and caustically humorous McLuhan for the '90s, culture watcher Douglas Rushkoff now offers a fascinating expose of media manipulation in today's age of instant information.

For Computer Systems, Computer Organization and Architecture courses in CS, EE, and ECE departments. Few students studying computer science or computer engineering will ever have the opportunity to build a computer system. On the other hand, most students will be required to use and program computers on a near daily basis. Computer Systems: A Programmer's Perspective introduces the important and enduring concepts that underlie computer systems by showing how these ideas affect the correctness, performance, and utility of application programs. The text's hands-on approach (including a comprehensive set of labs) helps students understand the under-the-hood operation of a modern computer system and prepares them for future courses in systems topics such as compilers, computer architecture, operating systems, and networking.

Explores non-drug related, consciousness-altering methods and provides examples of self-induced techniques such as meditation, musical and dance regimens, deprivation methods, physical therapies, visualizations, consciousness-raising programs, communing with nature and much more.

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Essays

With C and GNU Development Tools

Digital Humanities Pedagogy

Program Or be Programmed

History of Programming Languages

Coercion

**Noted media pundit and author of Playing the Future Douglas Rushkoff gives a devastating critique of the influence techniques behind our culture of rampant consumerism. With a skilled analysis of how experts in the fields of marketing, advertising, retail atmospherics, and hand-selling attempt to take away our ability to make rational decisions, Rushkoff delivers a bracing account of media ecology today, consumerism in America, and why we buy what we buy, helping us recognize when we're being treated like consumers instead of human beings.**

Media theorist and documentarian Douglas Rushkoff weaves a mind-bending tale of iconography and mysticism against the backdrop of a battle-torn Europe. In a story spanning generations, and featuring some of the most notable and notorious idealists of the 20th century, legendary occultist Aleister Crowley develops a powerful and dangerous new weapon to defend the world against Adolf Hitler's own war machine spawning an unconventional new form of warfare that is fought not with steel, but with symbols and ideas. Unfortunately, these intangible arsenals are much more insidious and perhaps much more dangerous than their creators could have ever conceived. "Rushkoff is a cultural treasure and an eccentric author of big, strange ideas, never less than fascinating and always entertaining." -Warren Ellis, author of Gun Machine, Red, Trees, and Transmetropolitan

"Douglas has been one of my personal heroes, and I've been a most attentive reader of anything he cares to put between covers, knowing that his combination of a cold eye and a warm heart is guaranteed to astonish and embolden my own thinking about what's possible in the world--about what's possible to enact in the space between one human being and another. He occupies the ground of our most immediate perplexities, and his reports of what he finds are breaking news." -Jonathan Lethem, author of The Best American Comics and The Fortress of Solitude

Programming the BBC Micro is a 12-chapter book that begins with a description of the BBC microcomputer, its peripheral, and faults. Subsequent chapters focus on practice in programming, program development, graphics, words, numbers, sound, bits, bytes, and assembly language. The interfacing, file handling, and detailed description of BBC microcomputer are also shown.

History of Programming Languages presents information pertinent to the technical aspects of the language design and creation. This book provides an understanding of the processes of language design as related to the environment in which languages are developed and the knowledge base available to the originators. Organized into 14 sections encompassing 77 chapters, this book begins with an overview of the programming techniques to use to help the system produce efficient programs. This text then discusses how to use parentheses to help the system identify identical subexpressions within an expression and thereby eliminate their duplicate calculation. Other chapters consider FORTRAN programming techniques needed to produce optimum object programs. This book discusses as well the developments leading to ALGOL 60. The final chapter presents the biography of

Adin D. Falkoff. This book is a valuable resource for graduate students, practitioners, historians, statisticians, mathematicians, programmers, as well as computer scientists and specialists.

The Simulation Hypothesis

How to Know What's True in the Age of Information Overload

Media Virus!

Eloquent JavaScript, 3rd Edition

Programmable Automation Technologies

A Programmer's Perspective

Team Human

Is the internet good or bad? How can technology be directed? In this spirited, accessible poetics of new media, Rushkoff picks up where Marshall McLuhan left off, helping readers come to recognise programming as the new literacy of the digital age and as which to see beyond social conventions and power structures that have vexed us for centuries. This is a friendly little book with a big and actionable message.

"The essays in this collection offer a timely intervention in digital humanities scholarship, bringing together established and emerging scholars from a variety of humanities disciplines across the world. The first section offers views on the practical realities of humanities at undergraduate and graduate levels, presenting case studies and snapshots of the authors' experiences alongside models for future courses and reflections on pedagogical successes and failures. The next section proposes strategies for teaching digital humanities methods across a variety of scholarly disciplines, and the book concludes with wider debates about the place of digital humanities in the academy, from the field's cultural assumptions and social obligations to its political visions." (4e de co

The Book of R is a comprehensive, beginner-friendly guide to R, the world's most popular programming language for statistical analysis. Even if you have no programming experience and little more than a grounding in the basics of mathematics, you'll find everything you need to begin using R effectively for statistical analysis. You'll start with the basics, like how to handle data and write simple programs, before moving on to more advanced topics, like producing statistical summaries of your data and performing statistical tests.

Even learn how to create impressive data visualizations with R's basic graphics tools and contributed packages, like ggplot2 and ggvis, as well as interactive 3D visualizations using the rgl package. Dozens of hands-on exercises (with downloadable solutions) take you from theory to practice, as you learn: –The fundamentals of programming in R, including how to write data frames, create functions, and use variables, statements, and loops –Statistical concepts like exploratory data analysis, probabilities, hypothesis tests, and regression and how to execute them in R –How to access R's thousands of functions, libraries, and data sets –How to draw valid and useful conclusions from your data –How to create publication-quality graphics of your results Combining detailed explanations with real-world examples and exercises, this book will provide you with a solid understanding of both statistics and the depth of R's functionality. Make The Book of R your doorway into the growing world of data analysis.

Now includes "The Life Inc. Guide to Reclaiming the Value You Create" In Life Inc, award-winning writer Douglas Rushkoff traces how corporations went from being convenient legal fictions to being the dominant fact of contemporary life. The resulting ideology has infiltrated all aspects of civics, commerce, and culture—from the founding of the first chartered monopoly to the branding of the self, from the invention of central currency to the privatization of banking, from the Victorian Great Exhibition to the solipsistic world of the Internet. Explains why we see our homes as investments rather than places to live, our 401(k) plans as the ultimate measure of success, and the Internet as just another place to do business. Most important, Rushkoff illuminates both how we've become disconnected and how we can reconnect to our towns, to the value we can create, and, mostly, to one another. As the speculative economy collapses under its own weight, Life Inc shows us how to build a real and human-scaled society to take its place.

An Introduction to CNC, Robotics and PLCs

Get Back in the Box

How User Participation Transforms Cultural Production

The C Programming Language

An MIT Computer Scientist Shows Why AI, Quantum Physics, and Eastern Mystics All Agree We Are In A Video Game

The Book of Ruby

*Authored by two of the leading authorities in the field, this guide offers readers the knowledge and skills needed to achieve proficiency with embedded software.*

*Program Or be Programmed Ten Commands for a Digital Age OR Books*

*People spent the twentieth century obsessed with the future. We created technologies that would help connect us faster, gather news, map the planet, and compile knowledge. We strove for an instantaneous network where time and space could be compressed. Well, the future's arrived. We live in a continuous now enabled by Twitter, email, and a so-called real-time technological shift. Yet this "now" is an elusive goal that we can never quite reach. And the dissonance between our digital selves and our analog bodies has thrown us into a new state of anxiety: present shock.*

*Intelligent readers who want to build their own embedded computer systems-- installed in everything from cell phones to cars to handheld organizers to refrigerators-- will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.*

Present Shock

Hotel Theory

The Book of R

Cyberia

How to Design Programs, second edition

Hidden Agendas in Popular Culture

Computer Systems

*Most programmers' fear of user interface (UI) programming comes from their fear of doing UI design. They think that UI design is like graphic design—the mysterious process by which creative, latte-drinking, all-black-wearing people produce cool-looking, artistic pieces. Most programmers see themselves as analytic, logical thinkers instead—strong at reasoning, weak on artistic judgment, and incapable of doing UI design. In this brilliantly readable book, author Joel Spolsky proposes simple, logical rules that can be applied without any artistic talent to improve any user interface, from traditional GUI applications to websites to consumer electronics. Spolsky's primary axiom, the importance of bringing the program model in line with the user model, is both rational and simple. In a fun and entertaining way, Spolky makes user interface design easy for programmers to grasp. After reading User Interface Design for Programmers, you'll know how to design interfaces with the user in mind. You'll learn the important principles that underlie all good UI design, and you'll learn how to perform usability testing that works.*

*"A provocative, exciting, and important rallying cry to reassert our human spirit of community and teamwork."—Walter Isaacson Team Human is a manifesto—a fiery distillation of preeminent digital theorist Douglas Rushkoff's most urgent thoughts on civilization and human nature. In one hundred lean and incisive statements, he argues that we are essentially social creatures, and that we achieve our greatest aspirations when we work together—not as individuals. Yet today society is threatened by a vast antihuman infrastructure that undermines our ability to connect. Money, once a means of exchange, is now a means of exploitation; education, conceived as way to elevate the working class, has become another assembly line; and the internet has only further divided us into increasingly atomized and radicalized groups. Team Human delivers a call to arms. If we are to resist and survive these destructive forces, we must recognize that being human is a team sport. In Rushkoff's own words: "Being social may be the whole point." Harnessing wide-ranging research on human evolution, biology, and psychology, Rushkoff shows that when we work together we realize greater happiness, productivity, and peace. If we can find the others who understand this fundamental truth and reassert our humanity—together—we can make the world a better place to be human.*

*Hotel Theory is two books in one: a meditation on the meaning of hotels, and a dime novel (Hotel Women) featuring Lana Turner and Liberace. Typical of Wayne Koestenbaum's invigoratingly inventive style, the two books — one fiction, one nonfiction — run concurrently, in twin columns, and the articles "a," "an," and "the" never appear. The nonfiction ruminations on hotels are divided into eight dossiers, composed of short takes on the presence of hotels in the author's dreams as well as in literature, film, and history. Guest stars include everyone from Oscar Wilde to Marilyn Monroe. Hotel Theory gives (divided) voice to an aesthetic of hyperaesthesia, of yearning. It is an oblique manifesto, the place where writing disappears. A new mode of theorizing — in fiction, in fragment, through quotation and palimpsest — arises in this dazzling work.*

*Sarah Palin has many faces: hockey mom, fundamentalist Christian, sex symbol, Republican ideologue, fashion icon, "maverick" populist. But, above all, Palin has become one thing: an American obsession that just won't go away. Edited by two senior editors at 'The Nation' magazine, this sharp, smart, up-to-the-minute book examines Palin's quirky origins in Wasilla, Alaska, her spectacular rise to the effective leadership of the Republican Party, and the nightmarish prospect of her continuing to dominate the nation's political scene. With contributions by: Amy Alexander, Max Blumenthal, Juan Cole, Joe Conason, Jeanne Devon, Eve Ensler, Michelle Goldberg, Jane Hamsher, Christopher Hayes, Mark Hertsgaard, Jim Hightower, Linda Hirshman, Naomi Klein, Dahlia Lithwick, Amanda Marcotte, Shannyn Moore, John Nichols, Rick Perlstein, Tom Perrotta, Katha Pollitt, Robert Reich, Frank Rich, Hanna Rosin, Jeff Sharlet, Matt Taibbi, Michael Tomasky, Rebecca Traister, Katrina vanden Heuvel, Jessica Valenti, Patricia Williams, JoAnn Wypijewski and Gary Younge among others.*

Life in the Trenches of Hyperspace

How Being Great at What You Do Is Great for Business