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ROGERS HERRERA

Hackers & Painters Elsevier
 Official U.S. edition with full color illustrations throughout. NEW YORK TIMES BESTSELLER Yuval Noah Harari, author of the critically-acclaimed New York Times bestseller and international phenomenon *Sapiens*, returns with an equally original, compelling, and provocative book, turning his focus toward humanity's future, and our quest to upgrade humans into gods. Over the past century humankind has managed to do the impossible and rein in famine, plague, and war. This may seem hard to accept, but, as Harari explains in his trademark style—thorough, yet riveting—famine, plague and war have been transformed from incomprehensible and uncontrollable forces of nature into manageable challenges. For the first time ever, more people die from eating too much than from eating too little; more people die from old age than from infectious diseases; and more people commit suicide than are killed by soldiers, terrorists and criminals put together. The average American is a thousand times more likely to die from bingeing at McDonalds than from being blown up by Al Qaeda. What then will replace famine, plague, and war at the top of the human agenda? As the self-made gods of planet earth, what destinies will we set ourselves, and which quests will we undertake? *Homo Deus* explores the projects, dreams and nightmares that will shape the twenty-first century—from overcoming death to creating artificial life. It asks the fundamental questions: Where do we go from here? And how will we protect this fragile world from our own destructive powers? This is the next stage of evolution. This is *Homo Deus*. With the same insight and clarity that made *Sapiens* an

international hit and a New York Times bestseller, Harari maps out our future.

A Philosophy of Computer Art Routledge

“Paul does an impressive job of compressing the activity of a huge field, in which there are no obvious heroes and no single aesthetic line.” —Publishers Weekly Digital technology has revolutionized the way we produce and experience art today. Not only have traditional forms of art such as printing, painting, photography, and sculpture been transformed by digital techniques and media, but the emergence of entirely new forms such as internet and software art, digital installation, and virtual reality has forever changed the way we define art. Christiane Paul surveys the developments in digital art from its appearance in the 1980s to the present day and looks ahead to what the future may hold. She discusses the key artists and works in the genre, drawing a distinction between work that uses digital practices as tools to produce traditional forms and work that uses them to create new kinds of art. She explores the broader themes and questions raised by these artworks such as viewer interaction, artificial life and intelligence, political and social activism, networks and telepresence, and issues surrounding the collection, presentation, and preservation of digital art. This third, expanded edition of the popular resource investigates key areas of digital art practice that have gained prominence in recent years, including interactive public installation, augmented and mixed reality, social networking, and file-sharing technologies.

Cybernetic Serendipity Macmillan

How do today's most successful tech companies—Amazon, Google, Facebook, Netflix, Tesla—design, develop, and deploy the products that have earned the love of literally billions of people around the world? Perhaps surprisingly, they do it very differently

than the vast majority of tech companies. In *INSPIRED*, technology product management thought leader Marty Cagan provides readers with a master class in how to structure and staff a vibrant and successful product organization, and how to discover and deliver technology products that your customers will love—and that will work for your business. With sections on assembling the right people and skillsets, discovering the right product, embracing an effective yet lightweight process, and creating a strong product culture, readers can take the information they learn and immediately leverage it within their own organizations—dramatically improving their own product efforts. Whether you're an early stage startup working to get to product/market fit, or a growth-stage company working to scale your product organization, or a large, long-established company trying to regain your ability to consistently deliver new value for your customers, *INSPIRED* will take you and your product organization to a new level of customer engagement, consistent innovation, and business success. Filled with the author's own personal stories—and profiles of some of today's most-successful product managers and technology-powered product companies, including Adobe, Apple, BBC, Google, Microsoft, and Netflix—*INSPIRED* will show you how to turn up the dial of your own product efforts, creating technology products your customers love. The first edition of *INSPIRED*, published ten years ago, established itself as the primary reference for technology product managers, and can be found on the shelves of nearly every successful technology product company worldwide. This thoroughly updated second edition shares the same objective of being the most valuable resource for technology product managers, yet it is completely new—sharing the latest practices and techniques of today's most-successful tech product companies, and the men and women behind every great product.

Aaron's Code Fordham University Press

"In this heroic period of computer art, artists were required to build their own machines, collaborate closely with computer scientists, and learn difficult computer languages. White Heat Cold Logic's chapters, many written by computer art pioneers themselves, describe the influence of cybernetics, with its emphasis on process and interactivity; the connections to the constructivist movement; and the importance of work done in such different venues as commercial animation, fine art schools, and polytechnics."--Jaquette.

Expanded Cinema Phaidon Press

The world's most infamous hacker offers an insider's view of the low-tech threats to high-tech security Kevin Mitnick's exploits as a cyber-desperado and fugitive form one of the most exhaustive FBI manhunts in history and have spawned dozens of articles, books, films, and documentaries. Since his release from federal prison, in 1998, Mitnick has turned his life around and established himself as one of the most sought-after computer security experts worldwide. Now, in *The Art of Deception*, the world's most notorious hacker gives new meaning to the old adage, "It takes a thief to catch a thief." Focusing on the human factors involved with information security, Mitnick explains why all the firewalls and encryption protocols in the world will never be enough to stop a savvy grifter intent on rifling a corporate database or an irate employee determined to crash a system. With the help of many fascinating true stories of successful attacks on business and government, he illustrates just how susceptible even the most locked-down information systems are to a slick con artist impersonating an IRS agent. Narrating from the points of view of both the attacker and the victims, he explains why each attack was so successful and how it could have been prevented in an engaging and highly readable style reminiscent of a true-crime novel. And, perhaps most importantly, Mitnick offers advice for

preventing these types of social engineering hacks through security protocols, training programs, and manuals that address the human element of security.

At the Edge of Art Addison-Wesley Professional

Frank Popper traces the development of immersive, interactive new media art from its antecedents through today's digital, multimedia, & networked art.

Virtual Art Springer

Fiftieth anniversary reissue of the founding media studies book that helped establish media art as a cultural category. First published in 1970, Gene Youngblood's influential *Expanded Cinema* was the first serious treatment of video, computers, and holography as cinematic technologies. Long considered the bible for media artists, Youngblood's insider account of 1960s counterculture and the birth of cybernetics remains a mainstay reference in today's hypermediated digital world. This fiftieth anniversary edition includes a new Introduction by the author that offers conceptual tools for understanding the sociocultural and sociopolitical realities of our present world. A unique eyewitness account of burgeoning experimental film and the birth of video art in the late 1960s, this far-ranging study traces the evolution of cinematic language to the end of fiction, drama, and realism. Vast in scope, its prescient formulations include "the paleocybernetic age," "intermedia," the "artist as design scientist," the "artist as ecologist," "synaesthetics and kinesthetics," and "the technosphere: man/machine symbiosis." Outstanding works are analyzed in detail. Methods of production are meticulously described, including interviews with artists and technologists of the period, such as Nam June Paik, Jordan Belson, Andy Warhol, Stan Brakhage, Carolee Schneemann, Stan VanDerBeek, Les Levine, and Frank Gillette. An inspiring Introduction by the celebrated polymath and designer R. Buckminster Fuller—a perfectly cut gem of countercultural thinking in itself—places Youngblood's radical observations in comprehensive perspective. Providing an unparalleled historical documentation, *Expanded Cinema* clarifies a chapter of countercultural history that is still not fully represented in the arthistorical record half a century later. The book will also inspire the current generation of artists working in ever-newer expansions of the cinematic environment and will prove invaluable to all who are concerned with the technologies that are reshaping the nature of human communication.

Digital Art New Riders

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.

Do Androids Dream of Electric Sheep? National Geographic Books

What is computer art? Do the concepts we usually employ to talk about art, such as 'meaning', 'form' or 'expression' apply to computer art? *A Philosophy of Computer Art* is the first book to explore these questions. Dominic Lopes argues that computer art challenges some of the basic tenets of traditional ways of thinking about and making art and that to understand computer art we need to place particular emphasis on terms such as 'interactivity' and 'user'. Drawing on a wealth of examples he also explains how the roles of the computer artist and computer

art user distinguishes them from makers and spectators of traditional art forms and argues that computer art allows us to understand better the role of technology as an art medium.

The Electric State Anchor

A strikingly original exploration of what it might mean to be authentically human in the age of artificial intelligence, from the author of the critically-acclaimed *Interior States*. "Meghan O'Gieblyn is a brilliant and humble philosopher, and her book is an explosively thought-provoking, candidly personal ride I wished never to end ... This book is such an original synthesis of ideas and disclosures. It introduces what will soon be called the O'Gieblyn genre of essay writing." —Heidi Julavits, author of *The Folded Clock* For most of human history the world was a magical and enchanted place ruled by forces beyond our understanding. The rise of science and Descartes's division of mind from world made materialism our ruling paradigm, in the process asking whether our own consciousness—i.e., souls—might be illusions. Now the inexorable rise of technology, with artificial intelligences that surpass our comprehension and control, and the spread of digital metaphors for self-understanding, the core questions of existence—identity, knowledge, the very nature and purpose of life itself—urgently require rethinking. Meghan O'Gieblyn tackles this challenge with philosophical rigor, intellectual reach, essayistic verve, refreshing originality, and an ironic sense of contradiction. She draws deeply and sometimes humorously from her own personal experience as a formerly religious believer still haunted by questions of faith, and she serves as the best possible guide to navigating the territory we are all entering.

The Soul of A New Machine Harvill Press

"One of my favorite books of the year. It completely reshaped how I think about information and how and why I take notes." —Daniel Pink, bestselling author of *Drive* A revolutionary approach to enhancing productivity, creating flow, and vastly increasing your ability to capture, remember, and benefit from the unprecedented amount of information all around us. For the first time in history, we have instantaneous access to the world's knowledge. There has never been a better time to learn, to contribute, and to improve ourselves. Yet, rather than feeling empowered, we are often left feeling overwhelmed by this constant influx of information. The very knowledge that was supposed to set us free has instead led to the paralyzing stress of believing we'll never know or remember enough. Now, this eye-opening and accessible guide shows how you can easily create your own personal system for knowledge management, otherwise known as a Second Brain. As a trusted and organized digital repository of your most valued ideas, notes, and creative work synced across all your devices and platforms, a Second Brain gives you the confidence to tackle your most important projects and ambitious goals. Discover the full potential of your ideas and translate what you know into more powerful, more meaningful improvements in your work and life by *Building a Second Brain*.

Graphic Style HarperCollins

The computing world today is in the middle of a revolution: mobile clients and cloud computing have emerged as the dominant paradigms driving programming and hardware innovation today. The Fifth Edition of *Computer Architecture* focuses on this dramatic shift, exploring the ways in which software and technology in the cloud are accessed by cell phones, tablets, laptops, and other mobile computing devices. Each chapter includes two real-world examples, one mobile and one datacenter, to illustrate this revolutionary change. Updated to cover the mobile computing revolution Emphasizes the two most important topics in architecture today: memory hierarchy and parallelism in all its forms. Develops common themes throughout each chapter: power, performance, cost,

dependability, protection, programming models, and emerging trends ("What's Next") Includes three review appendices in the printed text. Additional reference appendices are available online. Includes updated Case Studies and completely new exercises.

Handbook of Research on Computational Arts and Creative Informatics Springer

Aaron's Code tells the story of the first profound connection between art and computer technology. Here is the work of Harold Cohen - the renowned abstract painter who, at the height of a celebrated career in the late 1960's, abandoned the international scene of museums and galleries and sequestered himself with the most powerful computers he could get his hands on. What emerged from his long years of solitary struggle is an elaborate computer program that makes drawings autonomously, without human intervention - an electronic apprentice and alter ego called Aaron.

Oxford English Dictionary Bloomsbury Publishing USA

A timely survey that addresses the relationship between art and electronic technology, including mechanics, light, graphics, robots, virtual reality and the web.

The Encyclopaedia Britannica Lulu.com

The success of *Angry Birds*, *Peggle*, and *Fruit Ninja* has proven that fun and immersive game experiences can be created in two dimensions. Furthermore, 2D graphics enable developers to quickly prototype ideas and mechanics using fewer resources than 3D. *2D Graphics Programming for Games* provides an in-depth single source on creating 2D graphics that c
Human-Computer Interaction. Interaction in Context MIT Press
Ray Kurzweil is the inventor of the most innovative and compelling technology of our era, an international authority on artificial intelligence, and one of our greatest living visionaries. Now he offers a framework for envisioning the twenty-first century--an age in which the marriage of human sensitivity and artificial intelligence fundamentally alters and improves the way we live. Kurzweil's prophetic blueprint for the future takes us through the advances that inexorably result in computers exceeding the memory capacity and computational ability of the human brain by the year 2020 (with human-level capabilities not far behind); in relationships with automated personalities who will be our teachers, companions, and lovers; and in information fed straight into our brains along direct neural pathways. Optimistic and challenging, thought-provoking and engaging, *The Age of Spiritual Machines* is the ultimate guide on our road into the next century.

The Art of UNIX Programming Bloomsbury Publishing USA

The 3 volume-set LNCS 10901, 10902 + 10903 constitutes the refereed proceedings of the 20th International Conference on Human-Computer Interaction, HCI 2018, which took place in Las Vegas, Nevada, in July 2018. The total of 1171 papers and 160 posters included in the 30 HCII 2018 proceedings volumes was carefully reviewed and selected from 4346 submissions. HCI 2018 includes a total of 145 papers; they were organized in topical sections named: Part I: HCI theories, methods and tools; perception and psychological issues in HCI; emotion and attention recognition; security, privacy and ethics in HCI. Part II: HCI in medicine; HCI for health and wellbeing; HCI in cultural heritage; HCI in complex environments; mobile and wearable HCI. Part III: input techniques and devices; speech-based interfaces and chatbots; gesture, motion and eye-tracking based interaction; games and gamification.

MUSEUMS AND DIGITAL CULTURE

Digital Art

This illustrated survey of the experimental world of digital art

explores the ways in which traditional painting and sculpture have been significantly changed by digital technologies, citing the emergence of such new forms as net art, digital installation and virtual reality.

New Media oshean collins

**** A New York Times Bestseller ** NAMED ONE OF THE BEST BOOKS OF THE YEAR BY:** Time • The New Yorker • NPR • GQ • Elle • Vulture • Fortune • Boing Boing • The Irish Times • The New York Public Library • The Brooklyn Public Library "A complex, smart and ambitious book that at first reads like a self-help manual, then blossoms into a wide-ranging political manifesto."—Jonah Engel Bromwich, The New York Times Book Review One of President Barack Obama's "Favorite Books of 2019" Porchlight's Personal Development & Human Behavior Book of the Year In a world where addictive technology is designed to buy and sell our attention, and our value is determined by our 24/7 data productivity, it can seem impossible to escape. But in this inspiring field guide to dropping out of the attention economy, artist and critic Jenny Odell shows us how we can still win back our lives. Odell sees our attention as the most precious—and overdrawn—resource we have. And we must actively and continuously choose how we use it. We might not spend it on things that capitalism has deemed important ... but once we can start paying a new kind of attention, she writes, we can undertake bolder forms of political action, reimagine

humankind's role in the environment, and arrive at more meaningful understandings of happiness and progress. Far from the simple anti-technology screed, or the back-to-nature meditation we read so often, *How to do Nothing* is an action plan for thinking outside of capitalist narratives of efficiency and techno-determinism. Provocative, timely, and utterly persuasive, this book will change how you see your place in our world.

Computer Architecture Simon and Schuster

A stimulating, eclectic account of new media that finds its origins in old media, particularly the cinema. In this book Lev Manovich offers the first systematic and rigorous theory of new media. He places new media within the histories of visual and media cultures of the last few centuries. He discusses new media's reliance on conventions of old media, such as the rectangular frame and mobile camera, and shows how new media works create the illusion of reality, address the viewer, and represent space. He also analyzes categories and forms unique to new media, such as interface and database. Manovich uses concepts from film theory, art history, literary theory, and computer science and also develops new theoretical constructs, such as cultural interface, spatial montage, and cinegratography. The theory and history of cinema play a particularly important role in the book. Among other topics, Manovich discusses parallels between the histories of cinema and of new media, digital cinema, screen and montage in cinema and in new media, and historical ties between avant-garde film and new media.

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