

Engine Of Impact Essentials Of Strategic Leadership In The Nonprofit Sector

This portrait of the global debate over patent law and access to essential medicines focuses on public health concerns about HIV/AIDS, malaria, tuberculosis, the SARS virus, influenza, and diseases of poverty. The essays explore the diplomatic negotiations and disputes in key international fora, such as the World Trade Organization, the World Health Organization and the World Intellectual Property Organization. Drawing upon international trade law, innovation policy, intellectual property law, health law, human rights and philosophy, the authors seek to canvass policy solutions which encourage and reward worthwhile pharmaceutical innovation while ensuring affordable access to advanced medicines. A number of creative policy options are critically assessed, including the development of a Health Impact Fund, prizes for medical innovation, the use of patent pools, open-source drug development and forms of 'creative capitalism'.

A time to reflect on my seventy years of life. Maybe some folks will be interested in my life and the folks I have met, or maybe not. This is a non-traditional memoir, filled with alphabetical vignettes not chronological ones. I have made a foray into fiction with an asterisk: in those cases where I have marked the vignette as fictional, it might be 100 percent not true, but in many cases I knew of, was part of, or heard from others about the story itself. At any rate, the entire book is my recollection of things past, and as in all recollections, the more distant the memory the clearer the details.

A blueprint for a national leadership movement to transform the way the public thinks about giving. Virtually everything our society has been taught about charity is backwards. We deny the social sector the ability to grow because of our short-sighted demand that it send every short-term dollar into direct services. Yet if the sector cannot grow, it can never match the scale of our great social problems. In the face of this dilemma, the sector has remained silent, defenseless, and disorganized. In *Charity Case*, Pallotta proposes a visionary solution: a Charity Defense Council to re-educate the public and give charities the freedom they need to solve our most pressing social issues. Proposes concrete steps for how a national Charity Defense Council will transform the public understanding of the humanitarian sector, including: building an anti-defamation league and legal defense for the sector, creating a massive national ongoing campaign to upgrade public literacy about giving, and ultimately enacting a National Civil Rights Act for Charity and Social Enterprise. From Dan Pallotta, renowned builder of social movements and inventor of the multi-day charity event industry (including the AIDS Rides and Breast Cancer 3-Days) that has cumulatively raised over \$1.1 billion for critical social causes. The hotly-anticipated follow-up to Pallotta's groundbreaking book *Uncharitable*

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Grounded in Pallotta's clear vision and deep social sector experience, *Charity Case* is a fascinating wake-up call for fixing the culture that thwarts our charities' ability to change the world.

Writing in a humorous conversational style, Chief Alan Brunacini explains the application of common-sense customer service concepts to the fire service. *Essentials of Fire Department Customer Service* is basic reading for every firefighter, officer, and administrator.

A Drucker management classic, first published in 1990, which breaks down any narrow definition of management and is aimed specifically at decision-makers and managers working in non-profit making and charitable organizations to help them apply the principles of good management to their sector. Drawing from the American experience, Drucker poignantly illustrates his discussion of management by quoting his in-depth interviews with top executives from non-profit making organizations. The issues of mission, performance, people and relationships, leadership and developing managers are eloquently discussed and Drucker provides Action Implications throughout the book which are of practical importance to the reader.

An insidious parasite is working its way through the suburbs of Washington, D.C. *NITS* follows the trail of a virulent outbreak of head lice as it wreaks havoc on the lives of a social climbing mother of a scholarship student, a buff young Latin teacher and a controlling do-gooder who is so consumed with exterminating the pest, people start calling her the "Lice Nazi." A social satire with bite, *NITS* explores the themes of class, ambition, and the unavoidable interconnectedness of modern life.

A planet plagued with tumult from outsiders and divided by its own religious dichotomy could face extinction if their faiths are not united and an unholy artifact is destroyed. Safiro, the God of Death, and Sanguina, the Goddess of Life, created two heroes (Vytametas) -- mirror twins separated at birth yet destined to meet in a place where the future of their world will be decided by their powers. The only people who know not the ultimate purpose of the legendary Vytametas are the young heroes themselves. While the teenage Vytametas learn of their world and of their mission, they will be turned against each other by the two faiths they are meant to save: the demented Safiric Brotherhood and the shady Sanguinic Sisterhood.

The book deals with the fundamentals, theoretical bases, and design methodologies of conventional internal combustion engine (ICE) vehicles, electric vehicles (EVs), hybrid electric vehicles (HEVs), and fuel cell vehicles (FCVs). The design methodology is described in mathematical terms, step-by-step, and the topics are approached from the overall drive train system, not just individual components. Furthermore, in explaining the design methodology of each drive train, design examples are presented with simulation results.

The Challenge Built to Last, the defining management study of the nineties, showed how great companies triumph over time and how long-term sustained performance can be engineered

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into the DNA of an enterprise from the very beginning. But what about the company that is not born with great DNA? How can good companies, mediocre companies, even bad companies achieve enduring greatness? The Study For years, this question preyed on the mind of Jim Collins. Are there companies that defy gravity and convert long-term mediocrity or worse into long-term superiority? And if so, what are the universal distinguishing characteristics that cause a company to go from good to great? The Standards Using tough benchmarks, Collins and his research team identified a set of elite companies that made the leap to great results and sustained those results for at least fifteen years. How great? After the leap, the good-to-great companies generated cumulative stock returns that beat the general stock market by an average of seven times in fifteen years, better than twice the results delivered by a composite index of the world's greatest companies, including Coca-Cola, Intel, General Electric, and Merck. The Comparisons The research team contrasted the good-to-great companies with a carefully selected set of comparison companies that failed to make the leap from good to great. What was different? Why did one set of companies become truly great performers while the other set remained only good? Over five years, the team analyzed the histories of all twenty-eight companies in the study. After sifting through mountains of data and thousands of pages of interviews, Collins and his crew discovered the key determinants of greatness -- why some companies make the leap and others don't. The Findings The findings of the Good to Great study will surprise many readers and shed light on virtually every area of management strategy and practice. The findings include: Level 5 Leaders: The research team was shocked to discover the type of leadership required to achieve greatness. The Hedgehog Concept (Simplicity within the Three Circles): To go from good to great requires transcending the curse of competence. A Culture of Discipline: When you combine a culture of discipline with an ethic of entrepreneurship, you get the magical alchemy of great results. Technology Accelerators: Good-to-great companies think differently about the role of technology. The Flywheel and the Doom Loop: Those who launch radical change programs and wrenching restructurings will almost certainly fail to make the leap. "Some of the key concepts discerned in the study," comments Jim Collins, "fly in the face of our modern business culture and will, quite frankly, upset some people." Perhaps, but who can afford to ignore these findings?

Fundamentals of Biomechanics introduces the exciting world of how human movement is created and how it can be improved. Teachers, coaches and physical therapists all use biomechanics to help people improve movement and decrease the risk of injury. The book presents a comprehensive review of the major concepts of biomechanics and summarizes them in nine principles of biomechanics. Fundamentals of Biomechanics concludes by showing how these principles can be used by movement professionals to improve human movement. Specific case studies are presented in physical education, coaching, strength and conditioning, and sports medicine.

This definitive text describes the theory and design both of Air Cushion Vehicles (ACV) and Surface Effect Ships (SES). It begins by introducing hovercraft types and their development and application throughout the world in the last three decades, before going on to discuss the theoretical aspects of ACV and SES craft covering their hovering performance, dynamic trim over calm water, resistance, stability, manoeuvrability, skirt configuration and analysis of forces acting on the skirts, ACV and SES seakeeping, and the methodology of scaling aerodynamic and hydrodynamic forces acting on the ACV/SES from model test data. The latter chapters describe a design methodology, including design criteria and standard methods for estimating craft performance, lift system design, skirt design, hull structure, propulsion systems and power unit selection. Much technical information, data, and references to further work on hovercraft and SES design is provided. The book will be a useful reference to engineers, technicians, teachers, students (both undergraduate and postgraduate), operators etc. who are involved in ACV/SES research, design, construction and operation. Guides the reader on how to perform

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machinery and systems selection within ACV and SES overall design For teachers, students (both at under- and post-graduate level), engineers and technicians involved in ACV/SES A resource for individuals responsible for siting decisions, this guidelines book covers siting and layout of process plants, including both new and expanding facilities. This book provides comprehensive guidelines in selecting a site, recognizing and assessing long-term risks, and the optimal lay out of equipment facilities needed within a site. The information presented is applicable to US and international locations. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

We are entering a new era--an era of impact. The largest intergenerational transfer of wealth in history will soon be under way, bringing with it the potential for huge increases in philanthropic funding. Engine of Impact shows how nonprofits can apply the principles of strategic leadership to attract greater financial support and leverage that funding to maximum effect. As Good to Great author Jim Collins writes in his foreword, this book offers "a detailed roadmap of disciplined thought and action for turning a good nonprofit into one that can achieve great impact at scale." William F. Meehan III and Kim Starkey Jonker identify seven essential components of strategic leadership that set high-achieving organizations apart from the rest of the nonprofit sector. Together, these components form an "engine of impact"--a system that organizations must build, tune, and fuel if they hope to make a real difference in the world. Drawing on decades of teaching, advising, grantmaking, and research, Meehan and Jonker provide an actionable guide that executives, staff, board members, and donors can use to jumpstart their own performance and to achieve extraordinary results for their organization. Along with setting forth best practices using real-world examples, the authors outline common management challenges faced by nonprofits, showing how these challenges differ from those faced by for-profit businesses in important and often-overlooked ways. By offering crucial insights on the fundamentals of nonprofit management, this book will help leaders equip their organizations to fire on all cylinders and unleash the full potential of the nonprofit sector. Visit www.engineofimpact.org for additional information.

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."

In a small wooded lot a busy woman stumbles upon a strange doll the neighbors possibly left.

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She attempts to reveal who brought the toy to her home, but she uncovers no real leads. Then when a letter turns up asking her to give the doll away as soon as possible, she ends up on the edge of reason as the doll is in the midst of being reclaimed by someone. The doll although small and cuddly resembles a somewhat black entity similar to a doll she keeps in her home, but when a nearby psychic and fortune teller comes to her home asking her to give up the doll to keep her sanity, but she refuses. The stuffed animal then turns out to be more than she bargained for when the bear starts to grow a tail and red eyes. When she discovers those details, she desperately tries to send it away to a pawn shop owner, but the next day he ends up dead, and a new feeling that the stuffed bear may not be what she considered a stuffed cuddly toy anymore. The story focuses on the character of Mary, and the stuffed bear that she suddenly inherits when the doll is left on her doorstep. She finds that although the stuffed bear did have an owner, he ended up in a mental institution, and the bear was simply left behind, either by someone else or the bear itself. She doesn't want to come to the terms that it could have ended up on her doorstep, by itself, but when the tale that the previous owner claimed is finally revealed, she desperately searches for an answer to the horror of Truggle.

With business advice from an expert entrepreneur, learn how to identify and leverage the key factors that will bring sustainability and success to your startup. Kathleen Kelly Janus, a lecturer at the Stanford University Program on Social Entrepreneurship and the founder of the successful social enterprise Spark, set out to investigate what makes a startup succeed or fail. She surveyed more than 200 high-performing social entrepreneurs and interviewed dozens of founders. Social Startup Success shares her findings for the legions of entrepreneurs working for social good, revealing how the best organizations get over the revenue hump. How do social ventures scale to over \$2 million, Janus's clear benchmark for a social enterprise's sustainability? ?Janus, tapping into strong connections to the Silicon Valley world where many of these ventures are started or and/or funded, reveals insights from key figures such as DonorsChoose founder Charles Best, charity:water's Scott Harrison, Reshma Saujani of Girls Who Code and many others. Social Startup Success will be social entrepreneurship's essential playbook; the first definitive guide to solving the problem of scale.

Building upon the previous editions, this textbook is a first course in stochastic processes taken by undergraduate and graduate students (MS and PhD students from math, statistics, economics, computer science, engineering, and finance departments) who have had a course in probability theory. It covers Markov chains in discrete and continuous time, Poisson processes, renewal processes, martingales, and option pricing. One can only learn a subject by seeing it in action, so there are a large number of examples and more than 300 carefully chosen exercises to deepen the reader's understanding. Drawing from teaching experience and student feedback, there are many new examples and problems with solutions that use TI-83 to eliminate the tedious details of solving linear equations by hand, and the collection of exercises is much improved, with many more biological examples. Originally included in previous editions, material too advanced for this first course in stochastic processes has been eliminated while treatment of other topics useful for applications has been expanded. In addition, the ordering of topics has been improved; for example, the difficult subject of martingales is delayed until its usefulness can be applied in the treatment of mathematical finance.

"A farmer and entrepreneur, Chase is a man of many abilities. Now he is being asked to use those abilities, and his own particular skills with a sword and bow, to assist an alien planet. This means trading a valuable resource that the planet harbours to convince the Inter-galactic Federation to repair its failing sun" -- Back cover.

The model to meet the unprecedented challenges unique to the decade ahead and make a remarkable impact on people's lives—led by the success stories of 38 change leaders whose paths of action give you the blueprint. To meet the radically different challenges of inequity,

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division, and scarcity of resources that will only increase over the next ten years, the most successful and valuable leaders are those with the traits to be rebuilders. Thought leader Paul Shoemaker profiles 38 rock star rebuilders so you have a model to follow, including Peter Drucker Award winner Rosanne Haggerty, whose goal is to end chronic homelessness; Trish Millines, who has changed lives for kids of color in high tech; and David Risher, whose cross-sector approach is helping solve global illiteracy. Page by page, the common elements rebuilders utilize to make a remarkable impact on some of our most complex problems are highlighted as you: Learn the 5 vital traits change leaders use to solve big problems. Gain new perspective from relevant research, data, leadership lessons, and 3 case studies that illuminate the path ahead. Meet the leaders setting the standard for social change impact, all shared in Shoemaker's signature storytelling style. *Taking Charge of Change* is written for anyone seeking to be the driver of real change and an integral part of rebuilding the structures and foundations of American communities and companies throughout the decade ahead. Inspired by a popular series of articles in the "Stanford Social Innovation Review," this volume teaches the social sector how to buck passing trends by using wise and time-tested strategies that foster investment and impact.

A vital resource for pilots, instructors, and students, from the most trusted source of aeronautic information.

Who drives transformation in society? How do they do it? In this compelling book, strategy guru Roger L. Martin and Skoll Foundation President and CEO Sally R. Osberg describe how social entrepreneurs target systems that exist in a stable but unjust equilibrium and transform them into entirely new, superior, and sustainable equilibria. All of these leaders--call them disrupters, visionaries, or changemakers--develop, build, and scale their solutions in ways that bring about the truly revolutionary change that makes the world a fairer and better place. The book begins with a probing and useful theory of social entrepreneurship, moving through history to illuminate what it is, how it works, and the nature of its role in modern society. The authors then set out a framework for understanding how successful social entrepreneurs actually go about producing transformative change. There are four key stages: understanding the world; envisioning a new future; building a model for change; and scaling the solution. With both depth and nuance, Martin and Osberg offer rich examples and personal stories and share lessons and tools invaluable to anyone who aspires to drive positive change, whatever the context. *Getting Beyond Better* sets forth a bold new framework, demonstrating how and why meaningful change actually happens in the world and providing concrete lessons and a practical model for businesses, policymakers, civil society organizations, and individuals who seek to transform our world for good.

We are entering a new era—an era of impact. The largest intergenerational transfer of wealth in history will soon be under way, bringing with it the potential for huge increases in philanthropic funding. *Engine of Impact* shows how nonprofits can apply the principles of strategic leadership to attract greater financial support and leverage that funding to maximum effect. As *Good to Great* author Jim Collins writes in his foreword, this book offers "a detailed roadmap of disciplined thought and action for turning a good nonprofit into one that can achieve great impact at scale." William F. Meehan III and Kim Starkey Jonker identify seven essential components of strategic leadership that set high-achieving organizations apart from the rest of the nonprofit sector. Together, these components form an "engine of impact"—a system that organizations must build, tune, and fuel if they hope to make a real difference in the world. Drawing on decades of teaching, advising, grantmaking, and research, Meehan and Jonker provide an actionable guide that executives, staff, board members, and donors can use to jumpstart their own performance and to achieve extraordinary results for their organization. Along with setting forth best practices using real-world examples, the authors outline common management challenges faced by nonprofits, showing how these challenges differ from those

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faced by for-profit businesses in important and often-overlooked ways. By offering crucial insights on the fundamentals of nonprofit management, this book will help leaders equip their organizations to fire on all cylinders and unleash the full potential of the nonprofit sector. Visit www.engineofimpact.org for additional information.

Closing the sale. Asking for a raise. Nailing the big presentation. Of the 2,000 hours you work every year, your success or failure is determined in the couple of dozen crucial hours when you need to bring your absolute best. Will you? The last few minutes before a major challenge can be terrifying. Ever wished you knew how to make sure you ace the make-or-break test, audition, or interview? We often feel the most powerless just before we're expected to act powerful. As you'll learn in this life-changing book, practice might make perfect, but perfection is useless if you can't summon it when it counts. Pulling off a great speech or the pivotal at bat also requires the right kind of mental preparation. In *Psyched Up*, journalist Daniel McGinn dives into the latest psychological research and interviews athletes, soldiers, entertainers, and others who, despite years of practice and enviable track records, will ultimately be judged on their ability to deliver a solid performance when it's their turn to shine. For instance, he reveals...

- How Jerry Seinfeld's jacket and Stephen Colbert's pen help them get laughs.
- What General Stanley McChrystal said to Special Forces before they entered the battlefield.
- Why the New England Patriots hired the DJ from the Red Sox to help them win.

Among other counterintuitive insights, McGinn reveals why trying to calm your backstage jitters can be worse for your performance than channeling it into excitement; how meaningless rituals can do more to prepare you in the final moments than last-minute rehearsal; and how a prescription from your doctor could help you unleash your best skills. Whether you're a sportsperson or a salesperson, an actor or an entrepreneur, one bad hour can throw away months of hard work. There's so much conflicting popular advice that we often end up doing the wrong things. McGinn separates the facts from the old wives' tales and shares new, research driven strategies for activating your talent, optimizing your emotions, and getting psyched up to take the spotlight.

Making strategy requires undertaking major—often irreversible—decisions aimed at long-term success in an uncertain future. All leaders must formulate a clear course of action, yet many lack confidence in their ability to think systematically about their strategy. They struggle to apply the abstract lessons offered by conventional approaches to strategic analysis to their unique contexts. *Making Great Strategy* resolves these challenges with a straightforward, readily applicable framework. Jesper B. Sørensen and Glenn R. Carroll show that one factor underlies all sustainably successful strategies: a logically coherent argument that connects resources, capabilities, and environmental conditions to desired outcomes. They introduce a system for formulating and managing strategy through a set of three core activities: visualization, formalization and logic, and constructive argumentation. These activities can be implemented in any organization and are illustrated through examples and case studies from well-known companies such as Apple, Walmart, and The Economist. This book shows that while great strategic thinking is hard, it is not a mystery. Widely applicable and relevant for managers and leaders at all levels, especially executive teams charged with setting the course of their organizations, it is essential reading for anyone faced with practical problems of strategic management.

It's normal to feel overwhelmed by the hard things in life, but lately doesn't it seem like we're feeling this way a lot more often than we used to? The problem isn't a lack of motivation or effort, but that motivation and effort are limited resources. The more we deplete them, the more burnt out we get, making it even harder to produce the results

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we want. In 'Effortless', Greg McKeown show us how to make essential tasks easier so that we can accomplish more of what matters, without burning out. From the author of 'Essentialism'.

A former Senior Partner and Global Managing Director at the legendary design firm IDEO shows how to design conversations and meetings that are creative and impactful. Conversations are one of the most fundamental means of communicating we have as humans. At their best, conversations are unconstrained, authentic and open—two or more people sharing thoughts and ideas in a way that bridges our individual experiences, achieves a common goal. At their worst, they foster misunderstanding, frustration and obscure our real intentions. How often do you walk away from a conversation feeling really heard? That it moved the people in it forward in some important way? You're not alone. In his practice as a designer, Fred Dust began to approach conversations differently. After years of trying to broker communication between colleagues and clients, he came to believe there had to a way to design the art of conversation itself with intention and purpose, but still artful and playful. Making Conversation codifies what he learned and outlines the four elements essential to successful exchanges: Commitment, Creative Listening, Clarity, and Context. Taken together, these four elements form a set of resources anyone can use to be more deliberate and purposeful in making conversations work.

Achieving Excellence in Fundraising is the go-to reference for fundraising principles, concepts, and techniques. With comprehensive guidance toward the fundraising role, this book reflects the latest advances in fundraising knowledge. Coverage includes evolving technologies, the importance of high net worth donors, global fundraising perspectives, results analysis and performance evaluation, accountability, and credentialing, with contributions from noted experts in the field. You'll gain essential insight into the practice of fundraising and the fundraising cycle, reinforced by ancillary discussion questions, case studies, and additional readings. With contributions from members of The Fund Raising School and the faculty of Indiana University's Lilly Family School of Philanthropy, this new edition includes detailed guidance on nonprofit accounting practices as defined by the Financial Accounting Standards Board and the American Institute of Certified Public Accountants, rounding out the complete, thorough coverage of the fundraising profession. Designed to provide both theory and practical knowledge, this book is an all-in-one resource for anyone who performs fundraising duties. Understand donor dynamics and craft an institutional development plan Explore essential marketing and solicitation techniques Learn effective volunteer recruitment, retention, and management strategies Fundraising merges a variety of fields including psychology, business management, accounting, and marketing, making it a unique role that requires a uniquely well rounded yet focused skillset. Amidst economic uncertainty and a widening wealth gap the world over, it's more important than ever for fundraisers to have a firm grasp on the tools at their disposal. Achieving Excellence in Fundraising is the ultimate guide to succeeding in this critical role.

Engine of Impact Essentials of Strategic Leadership in the Nonprofit Sector Stanford University Press

How companies like Amazon and Netflix know what "you might also like": the history, technology, business, and social impact of online recommendation engines.

Increasingly, our technologies are giving us better, faster, smarter, and more personal

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advice than our own families and best friends. Amazon already knows what kind of books and household goods you like and is more than eager to recommend more; YouTube and TikTok always have another video lined up to show you; Netflix has crunched the numbers of your viewing habits to suggest whole genres that you would enjoy. In this volume in the MIT Press's Essential Knowledge series, innovation expert Michael Schrage explains the origins, technologies, business applications, and increasing societal impact of recommendation engines, the systems that allow companies worldwide to know what products, services, and experiences “you might also like.” Schrage offers a history of recommendation that reaches back to antiquity's oracles and astrologers; recounts the academic origins and commercial evolution of recommendation engines; explains how these systems work, discussing key mathematical insights, including the impact of machine learning and deep learning algorithms; and highlights user experience design challenges. He offers brief but incisive case studies of the digital music service Spotify; ByteDance, the owner of TikTok; and the online personal stylist Stitch Fix. Finally, Schrage considers the future of technological recommenders: Will they leave us disappointed and dependent—or will they help us discover the world and ourselves in novel and serendipitous ways?

Create a real 2D game from start to finish with ImpactJS, the JavaScript game framework that works with the HTML5's Canvas element. Making video games is hard work that requires technical skills, a lot of planning, and—most critically—a commitment to completing the project. With this hands-on guide, you'll learn how to use Impact with other technologies step-by-step. You'll pick up important tips about game design, and discover how to publish Impact games to the Web, desktop, and mobile—including a method to package your game as a native iOS app. Packed with screen shots and sample code, this book is ideal for game developers of all levels. Set up your development environment and discover Impact's advantages Build a complete game with core logic, collision detection, and player and monster behavior Learn why a game design document is critical before you start building Display and animate game artwork with sprite sheets Add sound effects, background music, and text Create screens to display stats and in-game status Prepare to publish by baking your game files into a single file

In the past decade, few subjects at the intersection of medicine and sports have generated as much public interest as sports-related concussions - especially among youth. Despite growing awareness of sports-related concussions and campaigns to educate athletes, coaches, physicians, and parents of young athletes about concussion recognition and management, confusion and controversy persist in many areas.

Currently, diagnosis is based primarily on the symptoms reported by the individual rather than on objective diagnostic markers, and there is little empirical evidence for the optimal degree and duration of physical rest needed to promote recovery or the best timing and approach for returning to full physical activity. Sports-Related Concussions in Youth: Improving the Science, Changing the Culture reviews the science of sports-related concussions in youth from elementary school through young adulthood, as well as in military personnel and their dependents. This report recommends actions that can be taken by a range of audiences - including research funding agencies, legislatures, state and school superintendents and athletic directors, military organizations, and equipment manufacturers, as well as youth who participate in sports and their parents -

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to improve what is known about concussions and to reduce their occurrence. Sports-Related Concussions in Youth finds that while some studies provide useful information, much remains unknown about the extent of concussions in youth; how to diagnose, manage, and prevent concussions; and the short- and long-term consequences of concussions as well as repetitive head impacts that do not result in concussion symptoms. The culture of sports negatively influences athletes' self-reporting of concussion symptoms and their adherence to return-to-play guidance. Athletes, their teammates, and, in some cases, coaches and parents may not fully appreciate the health threats posed by concussions. Similarly, military recruits are immersed in a culture that includes devotion to duty and service before self, and the critical nature of concussions may often go unheeded. According to Sports-Related Concussions in Youth, if the youth sports community can adopt the belief that concussions are serious injuries and emphasize care for players with concussions until they are fully recovered, then the culture in which these athletes perform and compete will become much safer. Improving understanding of the extent, causes, effects, and prevention of sports-related concussions is vitally important for the health and well-being of youth athletes. The findings and recommendations in this report set a direction for research to reach this goal.

Various combinations of commercially available technologies could greatly reduce fuel consumption in passenger cars, sport-utility vehicles, minivans, and other light-duty vehicles without compromising vehicle performance or safety. Assessment of Technologies for Improving Light Duty Vehicle Fuel Economy estimates the potential fuel savings and costs to consumers of available technology combinations for three types of engines: spark-ignition gasoline, compression-ignition diesel, and hybrid. According to its estimates, adopting the full combination of improved technologies in medium and large cars and pickup trucks with spark-ignition engines could reduce fuel consumption by 29 percent at an additional cost of \$2,200 to the consumer. Replacing spark-ignition engines with diesel engines and components would yield fuel savings of about 37 percent at an added cost of approximately \$5,900 per vehicle, and replacing spark-ignition engines with hybrid engines and components would reduce fuel consumption by 43 percent at an increase of \$6,000 per vehicle. The book focuses on fuel consumption--the amount of fuel consumed in a given driving distance--because energy savings are directly related to the amount of fuel used. In contrast, fuel economy measures how far a vehicle will travel with a gallon of fuel. Because fuel consumption data indicate money saved on fuel purchases and reductions in carbon dioxide emissions, the book finds that vehicle stickers should provide consumers with fuel consumption data in addition to fuel economy information.

Operators are a way of packaging, deploying, and managing Kubernetes applications. A Kubernetes application doesn't just run on Kubernetes; it's composed and managed in Kubernetes terms. Operators add application-specific operational knowledge to a Kubernetes cluster, making it easier to automate complex, stateful applications and to augment the platform. Operators can coordinate application upgrades seamlessly, react to failures automatically, and streamline repetitive maintenance like backups. Think of Operators as site reliability engineers in software. They work by extending the Kubernetes control plane and API, helping systems integrators, cluster administrators, and application developers reliably deploy and manage key services and components. Using real-world examples, authors Jason Dobies and Joshua Wood demonstrate how to use Operators today and how to create Operators for your applications with the Operator Framework and SDK. Learn how to establish a Kubernetes cluster and deploy an Operator Examine a range of Operators from usage to implementation

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Explore the three pillars of the Operator Framework: the Operator SDK, the Operator Lifecycle Manager, and Operator Metering Build Operators from the ground up using the Operator SDK Build, package, and run an Operator in development, testing, and production phases Learn how to distribute your Operator for installation on Kubernetes clusters

"a provocative new book" -- The New York Times AI-centric organizations exhibit a new operating architecture, redefining how they create, capture, share, and deliver value. Marco Iansiti and Karim R. Lakhani show how reinventing the firm around data, analytics, and AI removes traditional constraints on scale, scope, and learning that have restricted business growth for hundreds of years. From Airbnb to Ant Financial, Microsoft to Amazon, research shows how AI-driven processes are vastly more scalable than traditional processes, allow massive scope increase, enabling companies to straddle industry boundaries, and create powerful opportunities for learning--to drive ever more accurate, complex, and sophisticated predictions. When traditional operating constraints are removed, strategy becomes a whole new game, one whose rules and likely outcomes this book will make clear. Iansiti and Lakhani: Present a framework for rethinking business and operating models Explain how "collisions" between AI-driven/digital and traditional/analog firms are reshaping competition, altering the structure of our economy, and forcing traditional companies to rearchitect their operating models Explain the opportunities and risks created by digital firms Describe the new challenges and responsibilities for the leaders of both digital and traditional firms Packed with examples--including many from the most powerful and innovative global, AI-driven competitors--and based on research in hundreds of firms across many sectors, this is your essential guide for rethinking how your firm competes and operates in the era of AI.

In July 1997, twenty-five of America's most influential journalists sat down to try and discover what had happened to their profession in the years between Watergate and Whitewater. What they knew was that the public no longer trusted the press as it once had. They were keenly aware of the pressures that advertisers and new technologies were putting on newsrooms around the country. But, more than anything, they were aware that readers, listeners, and viewers — the people who use the news — were turning away from it in droves. There were many reasons for the public's growing lack of trust. On television, there were the ads that looked like news shows and programs that presented gossip and press releases as if they were news. There were the "docudramas," television movies that were an uneasy blend of fact and fiction and which purported to show viewers how events had "really" happened. At newspapers and magazines, celebrity was replacing news, newsroom budgets were being slashed, and editors were pushing journalists for more "edge" and "attitude" in place of reporting. And, on the radio, powerful talk personalities led their listeners from sensation to sensation, from fact to fantasy, while deriding traditional journalism. Fact was blending with fiction, news with entertainment, journalism with rumor. Calling themselves the Committee of Concerned Journalists, the twenty-five determined to find how the news had found itself in this state. Drawn from the committee's years of intensive research, dozens of surveys of readers, listeners, viewers, editors, and journalists, and more than one hundred intensive interviews with journalists and editors, *The Elements of Journalism* is the first book ever to spell out — both for those who create and those who consume the news — the principles and responsibilities of journalism. Written by Bill Kovach and Tom Rosenstiel, two of the nation's preeminent press critics, this is one of the most provocative books about the role of information in society in more than a generation and one of the most important ever written about news. By offering in turn each of the principles that should govern reporting, Kovach and Rosenstiel show how some of the most common conceptions about the press, such as neutrality, fairness, and balance, are actually modern misconceptions. They also spell out how the news should be gathered, written, and reported even as they demonstrate why the First Amendment is on the brink of becoming a commercial right rather than something any American citizen can enjoy.

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The Elements of Journalism is already igniting a national dialogue on issues vital to us all. This book will be the starting point for discussions by journalists and members of the public about the nature of journalism and the access that we all enjoy to information for years to come. Gold Medal Winner; Philanthropy, Charities, and Nonprofits; 2012 Axiom Business Book Awards Giving 2.0 is the ultimate resource for anyone navigating the seemingly infinite ways one can give. The future of philanthropy is far more than just writing a check, and Giving 2.0 shows how individuals of every age and income level can harness the power of technology, collaboration, innovation, advocacy, and social entrepreneurship to take their giving to the next level and beyond. Major gifts may dominate headlines, but the majority of giving still comes from individual households—ordinary people with extraordinary generosity. Even in 2009, at a time of deep recession, individual giving averaged almost \$2,000 per household and drove 82% of the \$300 billion donated that same year. Based on her vast experience as a philanthropist, academic, volunteer, and social innovator, Arrillaga-Andreessen shares the most effective techniques she herself pilots and studies and a vast portfolio of lessons learned during her lifetime of giving. Featuring dozens of stories on innovative and powerful methods of how individuals give time, money, and expertise—whether volunteering and fundraising, leveraging technology and social media, starting a giving circle, fund, foundation, or advocacy group, or aspiring to create greater social impact—Giving 2.0 shows readers how they can renew, improve, and expand their giving and reach their fullest potential. A practical, entertaining, and inspiring call to action, Giving 2.0 is an indispensable tool for anyone passionate about creating change in our world.

Master the basics of Unreal Engine 4 to build stunning video games About This Book Get to grips with the user interface of Unreal Engine 4 and find out more about its various robust features Create dream video games with the help of the different tools Unreal Engine 4 offers Create video-games and fully utilize the power of Unreal Engine 4 to bring games to life through this step-by-step guide Who This Book Is For If you have a basic understanding of working on a 3D environment and you are interested in video game development, then this book is for you. A solid knowledge of C++ will come in handy. What You Will Learn Download both the binary and source version of Unreal Engine 4 and get familiar with the UI Get to know more about the Material Editor and how it works Add a post process to the scene and alter it to get a unique look for your scene Acquaint yourself with the unique and exclusive feature of Unreal Engine 4—Blueprints Find out more about Static and Dynamic lighting and the difference between various lights Use Matinee to create cut scenes Create a health bar for the player with the use of Unreal Motion Graphics (UMG) Get familiar with Cascade Particle Editor In Detail Unreal Engine 4 is a complete suite of game development tools that gives you power to develop your game and seamlessly deploy it to iOS and Android devices. It can be used for the development of simple 2D games or even stunning high-end visuals. Unreal Engine features a high degree of portability and is a tool used by many game developers today. This book will introduce you to the most popular game development tool called Unreal Engine 4 with hands-on instructions for building stunning video games. You will begin by creating a new project or prototype by learning the essentials of Unreal Engine by getting familiar with the UI and Content Browser. Next, we'll import a sample asset from Autodesk 3ds max and learn more about Material Editor. After that we will learn more about Post Process. From there we will continue to learn more about Blueprints, Lights, UMG, C++ and more. Style and approach This step-by-step guide will help you gain practical knowledge about Unreal Engine through detailed descriptions of all the tools offered by Unreal Engine.

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