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Called to CreateThe Business of EcotourismContemplative PrayerThe Product Book: How to Become a Great Product ManagerAging, Technology and HealthGuide to Advanced Software Testing, Second EditionLife and Death MattersAn Indigenous Peoples' History of the United StatesOpen Source Intelligence Tools and Resources HandbookThe Principal as Assessment LeaderAstronomy Education Volume 215 Minute Pause: A Radical Reboot for Busy PeopleHTC Droid 4G Survival Guide: Step-by-Step User Guide for Droid Inspire, Thunderbolt, and Evo: Getting Started, Downloading FREE EBooks, Using EMail, Photos and Videos, and Surfing WebThe Lady and the LionThe Theory and Craft of Digital PreservationEngineering a Better FutureHuman Computer Interaction and Emerging TechnologiesThe Cambridge Handbook of Consumer PrivacyPractical Augmented RealityPossession In DeathMotivate Your ChildThe Future of MakingAndroid Boot Camp for Developers Using Java: A Guide to Creating Your First Android AppsPinch Analysis and Process IntegrationDigital Marketing ExcellenceThe Culture QuestionThe Product BookLabor Law for the Rank & FilerThe Places That Scare YouCost ManagementA Practical Guide to Computer Forensics InvestigationsEffective Computation in PhysicsInnovation in Information Systems and Technologies to Support Learning ResearchThe Cambridge Handbook of Technology and Employee BehaviorLeading Organizational Development and ChangeInvolving Males in Preventing Teen PregnancyThe Next StepMind, Brain and TechnologyComprehensive Healthcare Simulation: Operations, Technology, and Innovative PracticeDigital Information and Communication Technology and Its Applications

Called to Create Covers the strategic management topics in cost accounting. This title helps students to understand about the management and the role of cost accounting in helping an organization succeed. It addresses issues such as: How does a firm compete? and What type of cost management information is needed for a firm to succeed?

The Business of Ecotourism A look at the integrated approach for the first responder. Integrating medical knowledge, personal character attributes, and decision making principles builds a foundation for success. This proven approach develops confidence and professionalism in each and every provider.

Contemplative Prayer

The Product Book: How to Become a Great Product Manager

Aging, Technology and Health Pinch analysis and related techniques are the key to design of inherently energy-efficient plants. This book shows engineers how to understand and optimize energy use in their processes, whether large or small. Energy savings go straight to the bottom line as increased profit, as well as reducing emissions. This is the key guide to process integration for both experienced and newly qualified engineers, as well as academics and students. It begins with an introduction to the main concepts of pinch analysis, the calculation of energy targets for a given process, the pinch temperature and the golden rules of pinch-based design to meet energy targets. The book shows how to extract the stream data necessary for a pinch analysis and describes the targeting process in depth. Other essential details include the design of heat exchanger networks, hot and cold utility systems, CHP (combined heat and power), refrigeration and optimization of system operating conditions. Many tips and techniques for practical application are covered, supported by several detailed case studies and other examples covering a wide range of industries, including buildings and other non-process situations. The only dedicated pinch analysis and process integration guide, fully revised and expanded supported by free downloadable energy targeting software The perfect guide and reference for chemical process, food and biochemical engineers, plant engineers and professionals concerned with energy optimisation, including building designers Covers the practical analysis of both new and existing systems, with ful details of industrial applications and case studies

Guide to Advanced Software Testing, Second Edition Readers gain a strong foundation in Java programming and the confidence in technical skills to build working mobile applications with ANDROID BOOT CAMP FOR DEVELOPERS USING JAVA: A GUIDE TO CREATING YOUR FIRST ANDROID APPS, 3E. Written by an award-winning technology author, this book thoroughly introduces Java with an emphasis on creating effective mobile applications. The book is ideal for readers with some programming experience or those new to Java and Android Studio. The book 's hands-on tutorial approach offers step-by-step instruction and numerous screen shots to guide you through tasks. Practical callouts, industry tips, cases and assignments reinforce understanding of programming logic and Java tools for Android. Content is both relevant for today and focused on programming principles for the future. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Life and Death Matters This practical guide provides a focus on the implementation of healthcare simulation operations, as well as the type of professional staff required for developing effective programs in this field. Though there is no single avenue in which a person pursues the career of a healthcare simulation technology specialist (HSTS), this book outlines the

extensive knowledge and variety of skills one must cultivate to be effective in this role. This book begins with an introduction to healthcare simulation, including personnel, curriculum, and physical space. Subsequent chapters address eight knowledge/skill domains core to the essential aspects of an HSTS. To conclude, best practices and innovations are provided, and the benefits of developing a collaborative relationship with industry stakeholders are discussed. Expertly written text throughout the book is supplemented with dozens of high-quality color illustrations, photographs, and tables. Written and edited by leaders in the field, Comprehensive Healthcare Simulation: Operations, Technology, and Innovative Practice is optimized for a variety of learners, including healthcare educators, simulation directors, as well as those looking to pursue a career in simulation operations as healthcare simulation technology specialists.

An Indigenous Peoples' History of the United States This concise HTC Droid 4G manual provides step-by-step instructions on how to do everything with your HTC Droid FASTER. The HTC Droids are highly customizable smart phone that use the Android operating system. You will unlock hidden secrets on your HTC Droids, such as how to download FREE eBooks, send email from your phone, surf the web, and read news for FREE. This HTC Droid 4G guide includes: - Getting Started- Button Layout- Navigating the Screens- Making Calls- Using the Speakerphone During a Voice Call- Staring a Conference Call- Managing Your Contacts- Adding a New Contact- Adding a Favorite Contact (Speed Dial)- Text Messaging- Adding Texted Phone Numbers to Contacts- Copying, Cutting, and Pasting Text- Sending Picture and Video Messages- Using the Internet Browser- Photos and Videos- Taking Pictures- Capturing Videos- Using the Email Application- Changing Email Options- Managing Applications- Sharing an Application- Using the Android Market to Download Applications- Reading User Reviews- Deleting an Application- Reading an eBook on Your Phone- Downloading thousands of free eBooks- Adjusting the Settings- Turning Vibration On and Off- Setting Alert Sounds- Changing the Wallpaper- Setting a Passcode, Pin, or Pattern Lock- Changing Keyboard Settings- Changing Photo Settings- Turning the Mobile Network On and Off- Turning Bluetooth On and Off- Turning Wi-Fi On and Off- Turning Airplane Mode On and Off- Tips and Tricks- Using Voice Search- Maximizing Battery Life- Resetting Your Phone- Viewing the Full Horizontal Keyboard- Calling a Number on a Website- Troubleshooting- List of Droid-friendly websites that save you time typing in long URL addresses

Open Source Intelligence Tools and Resources Handbook A Practical Guide to Computer Forensics Investigations introduces the newest technologies along with detailed information on how the evidence contained on these devices should be analyzed. Packed with practical, hands-on activities, students will learn unique subjects from chapters including Mac Forensics, Mobile Forensics, Cyberbullying, and Child Endangerment. This well-developed book will prepare students for the rapidly-growing field of computer forensics for a career with law enforcement, accounting firms, banks and credit card companies, private investigation companies, or government agencies.

The Principal as Assessment Leader

Astronomy Education Volume 2 The author of the best-selling When Things Fall Apart offers insightful and compassionate advice on uncovering inner wisdom and opening one's heart while refusing to allow resentfulness and fear to block one's inner light. Reprint.

15 Minute Pause: A Radical Reboot for Busy People The Next Step: Exponential Life presents essays on the potential of what are known as "exponential technologies"--those whose development is accelerating rapidly, such as robotics, artificial intelligence or industrial biology--considering their economic, social, environmental, ethical and even ontological implications. This book's premise is that humanity is at the beginning of a technological revolution that is evolving at a much faster pace than earlier ones--a revolution is so farreaching it is destined to generate transformations we can only begin to imagine. Contributors include Aubrey D.N.J. de Grey, Jonathan Rossiter, Joseph A. Paradiso, Kevin Warwick, Huma Shah, Ramón López de Mántaras, Helen Papagiannis, Jay David Bolter, Maria Engberg, Robin Hanson, Stuart Russell, Darrell M. West, Francisco González, Chris Skinner, Steven Monroe Lipkin, S. Matthew Liao, James Giordano, Luciano Floridi, Seán Ó Héigeartaigh and Martin Rees.

HTC Droid 4G Survival Guide: Step-by-Step User Guide for Droid Inspire, Thunderbolt, and Evo: Getting Started, Downloading FREE EBooks, Using EMail, Photos and Videos, and Surfing Web More physicists today are taking on the role of software developer as part of their research, but software development isn 't always easy or obvious, even for physicists. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. Written by two PhDs in nuclear engineering, this book includes practical examples drawn from a working knowledge of physics concepts. You 'll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use local and remote version control, and debug and test your code Getting It Out There: Document your code, process and publish your findings, and collaborate efficiently; dive into software licenses, ownership, and copyright procedures

The Lady and the Lion Aging, Health and Technology takes a problem-centered approach to examine how older adults use technology for health. It examines the many ways in which technology is being used by older adults, focusing on challenges, solutions and perspectives of the older user. Using aging-health technology as a lens, the book examines issues of technology adoption, basic human factors, cognitive aging, mental health, aging and usability, privacy, trust and automation. Each chapter takes a case study approach to summarize lessons learned from unique examples that can be applied to similar projects, while also providing general information about older adults and technology. Discusses human factors design challenges specific to older adults Covers the wide range of health-related uses for technology—from fitness to leading a more engaged life Utilizes a case study approach for practical application Envisions what the future will hold for technology and older adults Employs a roster of interdisciplinary contributors

The Theory and Craft of Digital Preservation "Nobody asked you to show up." Every experienced product manager has heard some version of those words at some point in their career. Think about a company. Engineers build the product. Designers make sure it has a great user experience and looks good. Marketing makes sure customers know about the product. Sales get potential customers to open their wallets to buy the product. What more does a company need? What does a product manager do? Based upon Product School's curriculum, which has helped thousands of students become great product managers, The Product Book answers that question. Filled with practical advice, best practices, and expert tips, this book is here to help you succeed!

Engineering a Better Future 2018 version of the OSINT Tools and Resources Handbook. This version is almost three times the size of the last public release in 2016. It reflects the changing intelligence needs of our clients in both the public and private sector, as well as the many areas we have been active in over the past two years.

Human Computer Interaction and Emerging Technologies This book provides glimpses into contemporary research in information systems & technology, learning, artificial intelligence (AI), machine learning, and security and how it applies to the real world, but the ideas presented also span the domains of telehealth, computer vision, the role and use of mobile devices, brain—computer interfaces, virtual reality, language and image processing and big data analytics and applications. Great research arises from asking pertinent research questions. This book reveals some of the authors ' "beautiful questions" and how they develop the subsequent "what if" and "how" questions, offering readers food for thought and whetting their appetite for further research by the same authors.

The Cambridge Handbook of Consumer Privacy 15 Minute Pause is an inspirational playbook that explores where you are now, where you want to be and how to get there. It's for those who are ready to make a small change and a big difference to their happiness and well-being at home, work or community. Do you need a reboot, if not now, then when?

Practical Augmented Reality A guerilla handbook for workers in a precarious global economy. Blending cutting-edge legal strategies for winning justice at work with a theory of dramatic social change from below, Lynd and Gross deliver a practical guide for making work better while re-invigorating the labour movement.

Possession In Death Now in its fifth edition, the hugely popular Digital Marketing Excellence: Planning, Optimizing and Integrating Online Marketing is fully updated, keeping you in line with the changes in this dynamic and exciting field and helping you create effective and up-to-date customer-centric digital marketing plans. A practical guide to creating and executing digital marketing plans, it combines established approaches to marketing planning with the creative use of new digital models and digital tools. It is designed to support both marketers and digital marketers, and students of business or marketing who want a thorough yet practical grounding in digital marketing. Written by two highly experienced digital marketing consultants, the book shows you how to: Draw up an outline digital marketing plan Evaluate and apply digital marketing principles and models Integrate online and offline communications Implement customer-driven digital marketing Reduce costly trial and error Measure and enhance your digital marketing Learn best practices for reaching and engaging your audiences using the key digital marketing platforms like Apple, Facebook, Google and Twitter. This new edition seamlessly integrates the latest changes in social media technology, including expanded coverage of mobile technology, demonstrating how these new ways to reach customers can be integrated into your marketing plans. It also includes new sections on data analytics, clearly demonstrating how marketers can leverage data to their advantage. Offering a highly structured and accessible guide to a critical and farreaching subject, Digital Marketing Excellence, Fifth Edition, provides a vital reference point for all students and managers involved in marketing strategy and implementation.

Motivate Your Child Experts from across all industrial-organizational (IO) psychology describe how increasingly rapid technological change has affected the field. In each chapter, authors describe how this has altered the meaning of IO research within a particular subdomain and what steps must be taken to avoid IO research from becoming obsolete. This Handbook presents a forward-looking review of IO psychology's understanding of both workplace technology and how technology is used in IO research methods. Using interdisciplinary perspectives to further this understanding and serving as a focal text from which this research will grow, it tackles three main questions facing the field. First, how has technology affected IO psychological theory and practice to date? Second, given the current trends in both research and practice, could IO psychological theories be rendered obsolete? Third, what are the highest priorities for both research and practice to ensure IO psychology remains appropriately engaged with technology moving forward?

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The Future of Making As technology becomes increasingly integrated into our society, cultural expectations and needs are changing. Social understanding, family roles, organizational skills, and daily activities are all adapting to the demands of ever-present technology, causing changes in human brain, emotions, and behaviors. An understanding of the impact of technology upon our lives is essential if we are to adequately educate children for the future and plan for meaningful learning environments for them. Mind, Brain and Technology provides an overview of these changes from a wide variety of perspectives. Designed as a textbook for students in the fields and interdisciplinary areas of psychology, neuroscience, technology, computer science, and education, the book offers insights for researchers, professionals, educators, and anyone interested in learning more about the integration of mind, brain and technology in their lives. The book skilfully guides readers to explore alternatives, generate new ideas, and develop constructive plans both for their own lives and for future educational needs.

Android Boot Camp for Developers Using Java: A Guide to Creating Your First Android Apps Prepare yourself: How things are made is changing. The digital and physical are uniting, from innovative methods to sense and understand our world to machines that learn and design in ways no human ever could; from 3D printing to materials with properties that literally stretch possibility; from objects that evolve to systems that police themselves. The results will radically change our world--and ourselves. The Future of Making illustrates these transformations, showcasing stories and images of people and ideas at the forefront of this radical wave of innovation. Designers, architects, builders, thought leaders--creators of all kinds--have contributed to this look at the materials, connections, and inventions that will define tomorrow. But this book doesn't just catalog the future; it lays down guidelines to follow, new rules for how things are created, that make it the ultimate handbook for anyone who wants to embrace the true future of making.

Pinch Analysis and Process Integration This open access book examines how the social sciences can be integrated into the praxis of engineering and science, presenting unique perspectives on the interplay between engineering and social science. Motivated by the report by the Commission on Humanities and Social Sciences of the American Association of Arts and Sciences, which emphasizes the importance of social sciences and Humanities in technical fields, the essays and papers collected in this book were presented at the NSF-funded workshop 'Engineering a Better Future: Interplay between Engineering, Social Sciences and Innovation', which brought together a singular collection of people, topics and disciplines. The book is split into three parts: A. Meeting at the Middle: Challenges to educating at the boundaries covers experiments in combining engineering education and the social sciences; B. Engineers Shaping Human Affairs: Investigating the interaction between social sciences and engineering, including the cult of innovation, politics of engineering, engineering design and future of societies; and C. Engineering the Engineers: Investigates thinking about design with papers on the art and science of science and engineering practice.

Digital Marketing Excellence We need a parenting revolution! Most parenting approaches end up encouraging children to ask the wrong questions about life: What 's in it for me? Are you going to pay me for that? What 's the minimum I need to do to get by? But God's Word gives us a better way to parent, one that builds strong internal motivation in children. When parents change the way they parent, kids change the way they live. This practical book explores a theology of internal motivation and then gives parents real-life solutions to equip their kids for life. You'll learn...• how to parent in ways that build internal motivation so that kids don't have to rely on you to get things done. • the four promptings of the conscience and how to coordinate your parenting to take advantage of them. • ways to energize your spiritual training with fun and creativity. • how to help children respond to mistakes instead of blaming, defending, or justifying. The greatest gift you can give your child is strong moral and spiritual development—this book shows you how. Every chapter includes practical examples of families applying the Bible to their current issues. Join the revolution!

The Culture Question Unfortunately, far too many people don't like where they work. Some organizations are unhealthy and full of disrespectful behavior. Other workplaces are simply uninspiring. For various reasons, countless people feel trapped, indifferent, or bored at work. The authors of this book believe that people should be able to like where they work. When employees like the places they work, it's not only good for their mental health and well-being, it's also good for their organizations - both financially and otherwise. When a workplace culture is purposely created to be respectful and inspiring, employees are happier, more productive, and more engaged. By exploring six key elements that make up a healthy workplace culture, The Culture Question answers two fundamental questions: "How does your organization's culture impact how much people like where they work?" and "What can you do to make it better?" Discover how to create a workplace where people like to work by focusing on these six elements of healthy workplace culture: Communicating Your Purpose and Values. Employees are inspired when they work in organizations whose purpose and values resonate with them. Providing Meaningful Work. Most employees want to work on projects that inspire them, align with what they are good at, and allow them to grow. Focusing Your Leadership Team on People. How leaders relate to their employees plays a major role in how everyone feels about their workplace. Building Meaningful Relationships. When employees like the people they work with and for, they are more satisfied and more engaged in their work. Creating Peak Performing Teams. People are energized when they work together effectively because teams achieve things that no one person could do on their own. Practicing Constructive Conflict Management. When leaders don't handle conflict promptly and well, it quickly sours the workplace. This book includes survey feedback from over 2,400 leaders and employees and resources for putting these ideas into action.

professionals, as well as scholars and researchers in the digital humanities.

Labor Law for the Rank & Filer This textbook covers the fundamentals of organizational development and change (ODC) theory while offering a comprehensive, structured, and systematic approach to guide change management strategies at the organization level. It provides an in-depth understanding of and the tools necessary for designing, diagnosing, implementing and evaluating organizational change interventions. Students will be exposed to case studies in ODC from selected international and Caribbean/Latin American organizations, demonstrating ODC in practice across a broad geographical context. This textbook, the first to offer a macro-level perspective of ODC, provides students with the tools needed to be successful in implementing change into today's organizations.

The Places That Scare You This book explores the importance of effective classroom assessment to student achievement and the role of school leaders to model and spark positive change through building teacher literacy, providing targeted professional development, acquiring appropriate technology, and more. With insights from expert practitioners, this book helps schools make the shift to best-practice assessment for districtwide improvements in student learning. Benefits • Identify the characteristics of an effective, balanced assessment system. • Find insights into how principals can best support improved assessment practice in the classroom. • Create professional development opportunities that build schoolwide assessment literacy. • Learn about assessment technology tools, including what to look for, how to use them, and what to expect from staff. • Incorporate data analysis that staff will commit to and use to improve student learning. • Understand the advantages of implementing standards-based grading and reporting. • Gain strategies for using assessment processes to engage learners at risk.

Cost Management This book focuses on the practical implementation of evidence-based strategies that are supported by research literature. Chapter topics include an overview of learner-centered theories and strategies for course design and implementation, the use of Lecture Tutorials, the use of technology and simulations to support learner-centered teaching, the use of research-based projects, citizen science, World Wide Telescope and planetariums in instruction, and many other useful tools and methods.

A Practical Guide to Computer Forensics Investigations We were created by an infinitely creative God to reflect his love and character to the world. One way we do that is by continuing his creative work. In this energizing book, serial entrepreneur and bestselling author Jordan Raynor helps artists, entrepreneurs, writers, and other creatives reimagine our work as service to God and others, addressing such penetrating questions as - Is my work as a creative really as God-honoring as that of a pastor or missionary? - What does it look like to create not to make a name for myself but to glorify God and serve others? - How can I use my work to fulfill Jesus's command to create disciples? - Will what I make today matter in eternity? To answer these questions, Raynor shares compelling stories from an eclectic group of 40+ Christian entrepreneurs, including the founders of TOMS Shoes, Charity: Water, Chick-fil-A, In-N-Out Burger, Guinness, HTC, and Sevenly, as well as nontraditional entrepreneurs such as C. S. Lewis, Johann Sebastian Bach, and J. R. R. Tolkien. Raynor's "show" rather than "tell," story-driven style makes you feel as if you are sitting at the feet of some of the godliest and most successful entrepreneurs of all time. Perfectly poised to reach today's growing creative class, this unique work restores God's position as the first entrepreneur, helping readers see the eternal value in the work they do today.

Effective Computation in Physics A beauty on the run meets a beast on a mission in this modern-day story of vengeance, seduction, and intrigue—a spellbinding short novel in the Once Upon a Time series from bestselling author Kay Hooper. Erin Prentice has come to Miami to take a break from controlling men and figure out her next move. The last thing she expects is to fall for a charismatic stranger on the other side of her hotel balcony—a disembodied voice in the darkness before dawn, with whom she shares a moving conversation and a craving for more. There 's so much power, so much pain, in his words; Erin senses he has dangerous secrets. But when she gets an eyeful of her powerfully built mystery man, Erin runs right into his arms. Keith Donovan is here to take revenge on the scumbags who killed his family. It's the exact wrong time to start something new, to want a woman so badly he'd do anything to protect her. But the bond he shares with Erin has him thinking with his heart, not his head. Keith has dedicated each waking moment to retribution. Now Erin's touch makes him want everything he thought he'd given up on: a bright future, a second chance, and a life built on love. Includes an excerpt from another Loveswept title.

Innovation in Information Systems and Technologies to Support Learning Research The INTERACT Conferences are an important platform for researchers and practitioners in the field of human-computer interaction (HCI) to showcase their work. They are organised biennially by the International Federation for Information Processing (IFIP) Technical Committee on Human-Computer Interaction (IFIP TC13), an international committee of 30 member national societies and nine Working Groups. INTERACT is truly international in its spirit and has attracted researchers from several countries and cultures. With an emphasis on inclusiveness, it works to lower the barriers that prevent people in developing countries from participating in conferences. As a multidisciplinary field, HCI requires interaction and discussion among diverse people with different interests and backgrounds. The 17th IFIP TC13 International Conference on Human-Computer Interaction (INTERACT 2019) took place during 2-6 September 2019 in Paphos, Cyprus. The conference was held at the Coral Beach Hotel Resort, and was co-sponsored by the Cyprus University of Technology and Tallinn University, in cooperation with ACM and ACM SIGCHI. This volume contains the Adjunct Proceedings to the 17th INTERACT Conference, comprising a series of selected papers from workshops, the Student Design Consortium and the Doctoral Consortium. The volume follows the

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INTERACT conference tradition of submitting adjunct papers after the main publication deadline, to be published by a University Press with a connection to the conference itself. In this case, both the Adjunct Proceedings Chair of the conference, Dr Usashi Chatterjee, and the lead Editor of this volume, Dr Fernando Loizides, work at Cardiff University which is the home of Cardiff University Press. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

The Cambridge Handbook of Technology and Employee Behavior This two-volume set CCIS 166 and 167 constitutes the refereed proceedings of the International Conference on Digital Information and Communication Technology and its Applications, DICTAP 2011, held in Dijon, France, in June 2010. The 128 revised full papers presented in both volumes were carefully reviewed and selected from 330 submissions. The papers are organized in topical sections on Web applications; image processing; visual interfaces and user experience; network security; ad hoc network; cloud computing; Data Compression; Software Engineering; Networking and Mobiles; Distributed and Parallel processing; social networks; ontology; algorithms; multimedia; e-learning; interactive environments and emergent technologies for e-learning; signal processing; information and data management.

Leading Organizational Development and Change The most comprehensive and up-to-date guide to the technologies, applications and human factors considerations of Augmented Reality (AR) and Virtual Reality (VR) systems and wearable computing devices. Practical Augmented Reality is ideal for practitioners and students concerned with any application, from gaming to medicine. It brings together comprehensive coverage of both theory and practice, emphasizing leading-edge displays, sensors, and DIY tools that are already available commercially or will be soon. Beginning with a Foreword by NASA research scientist Victor Luo, this guide begins by explaining the mechanics of human sight, hearing and touch, showing how these perceptual mechanisms (and their performance ranges) directly dictate the design and use of wearable displays, 3-D audio systems, and tactile/force feedback devices. Steve Aukstakalnis presents revealing case studies of real-world applications from gaming, entertainment, science, engineering, aeronautics and aerospace, defense, medicine, telerobotics, architecture, law enforcement, and geophysics. Readers will find clear, easy-to-understand explanations, photos, and illustrations of devices including the Atheer AiR, HTC Vive, DAQRI Smart Helmet, Oculus (Facebook) CV1, Sony PlayStation VR, Vuzix M300, Google Glass, and many more. Functional diagrams and photographs clearly explain how these devices operate, and link directly to relevant theoretical and practical content. Practical Augmented Reality thoroughly considers the human factors of these systems, including sensory and motor physiology constraints, monocular and binocular depth cues, elements contributing to visually-induced motion sickness and nausea, and vergence—accommodation conflicts. It concludes by assessing both the legal and societal implications of new and emerging AR, VR, and wearable technologies as well as provides a look next generation systems.

Involving Males in Preventing Teen Pregnancy 2015 Recipient of the American Book Award The first history of the United States told from the perspective of indigenous peoples Today in the United States, there are more than five hundred federally recognized Indigenous nations comprising nearly three million people, descendants of the fifteen million Native people who once inhabited this land. The centuries-long genocidal program of the US settler-colonial regimen has largely been omitted from history. Now, for the first time, acclaimed historian and activist Roxanne Dunbar-Ortiz offers a history of the United States told from the perspective of Indigenous peoples and reveals how Native Americans, for centuries, actively resisted expansion of the US empire. In An Indigenous Peoples 'History of the United States, Dunbar-Ortiz adroitly challenges the founding myth of the United States and shows how policy against the Indigenous peoples was colonialist and designed to seize the territories of the original inhabitants, displacing or eliminating them. And as Dunbar-Ortiz reveals, this policy was praised in popular culture, through writers like James Fenimore Cooper and Walt Whitman, and in the highest offices of government and the military. Shockingly, as the genocidal policy reached its zenith under President Andrew Jackson, its ruthlessness was best articulated by US Army general Thomas S. Jesup, who, in 1836, wrote of the Seminoles: "The country can be rid of them only by exterminating them." Spanning more than four hundred years, this classic bottom-up peoples' history radically reframes US history and explodes the silences that have haunted our national narrative.

The Next Step Businesses are rushing to collect personal data to fuel surging demand. Data enthusiasts claim personal information that's obtained from the commercial internet, including mobile platforms, social networks, cloud computing, and connected devices, will unlock path-breaking innovation, including advanced data security. By contrast, regulators and activists contend that corporate data practices too often disempower consumers by creating privacy harms and related problems. As the Internet of Things matures and facial recognition, predictive analytics, big data, and wearable tracking grow in power, scale, and scope, a controversial ecosystem will exacerbate the acrimony over commercial data capture and analysis. The only productive way forward is to get a grip on the key problems right now and change the conversation. That's exactly what Jules Polonetsky, Omer Tene, and Evan Selinger do. They bring together diverse views from leading academics, business leaders, and policymakers to discuss the opportunities and challenges of the new data economy.

Mind, Brain and Technology In this classic text, Thomas Merton offers valuable guidance for prayer. He brings together a wealth of meditative and mystical influences—from John of the Cross to Eastern desert monasticism—to create a spiritual path for today. Most important, he shows how the peace contacted through meditation should not be sought in order to evade the problems of contemporary life, but can instead be directed back out into the world to affect positive change. Contemplative Prayer is one of the most well-known works of spirituality of the last one hundred years, and it is a must-read for all seeking to live a life of purpose in today 's world. In a moving and profound introduction, Thich Nhat Hanh offers

his personal recollections of Merton and compares the contemplative traditions of East and West.

Comprehensive Healthcare Simulation: Operations, Technology, and Innovative Practice An exclusive J.D. Robb short story. 'The devil killed my body. I cannot fight. I cannot free her. You must. You are the one.' A dying Romanian woman's words send a chill down Lieutenant Eve Dallas' spine. And soon Eve notices some interesting side-effects: visions of the deceased and even fluency in Russian. Against her better judgment, Eve is convinced the spirit of the old woman is inside her, unable to rest until she's found her great-granddaughter who vanished two months ago. Desperate to be back to normal, Eve realises a string of young women have gone missing, and if Eve doesn't find them, no one will. Set between Indulgence in Death and Treachery in Death.

Digital Information and Communication Technology and Its Applications Software testing is a critical aspect of the software development process, and this heavily illustrated reference takes professionals on a complete tour of this increasingly important, multi-dimensional area. The book offers a practical understanding of all the most critical software testing topics and their relationships and inter-dependencies. This unique resource utilizes a wealth of graphics that support the discussions to offer a clear overview of software testing, from the definition of testing and the value and purpose of testing, through the complete testing process with all its activities, techniques and documentation, to the softer aspects of people and teams working with testing. Practitioners find numerous examples and exercises presented in each chapter to help ensure a complete understanding of the material. The book supports the ISTQB certification and provides a bridge from this to the ISO 29119 Software Testing Standard in terms of extensive mappings between the two; this is a truly unique feature.

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