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KEY=DISCOVERING - AVILA YOUNG

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PRACTICE MANAGEMENT FOR THE DENTAL TEAM - E-BOOK

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START WITH WHY

HOW GREAT LEADERS INSPIRE EVERYONE TO TAKE ACTION

Penguin **The inspirational bestseller that ignited a movement and asked us to find our WHY Discover the book that is captivating millions on TikTok and that served as the basis for one of the most popular TED Talks of all time—with more than 56 million views and counting. Over a decade ago, Simon Sinek started a movement that inspired millions to demand purpose at work, to ask what was the WHY of their organization. Since then, millions have been touched by the power of his ideas, and these ideas remain as relevant and timely as ever. START WITH WHY asks (and answers) the questions: why are some people and organizations more innovative, more influential, and more profitable than others? Why do some command greater loyalty from customers and employees alike? Even among the successful, why are so few able to repeat their success over and over? People like Martin Luther King Jr., Steve Jobs, and the Wright Brothers had little in common, but they all started with WHY. They realized that people won't truly buy into a product, service, movement, or idea until they understand the WHY behind it. START WITH WHY shows that the leaders who have had the greatest influence in the world all think, act and communicate the same way—and it's the opposite of what everyone else does. Sinek calls this powerful idea The Golden Circle, and it provides a framework upon which organizations can be built, movements can be led, and people can be inspired. And it all starts with WHY.**

DISCOVERING MARY

ANSWERS TO QUESTIONS ABOUT THE MOTHER OF GOD

Servant Books **As a convert to Catholicism, David Mills discovered that entering the Church didn't automatically confer appreciation for the mother of Jesus. Soon, however, "I found myself developing an experiential understanding of Mary and indeed a Marian devotion-which surprised me. It surprised me a lot." Having wondered about Mary himself, Mills knows the questions that puzzle not only new Catholics but many cradle Catholics and non-Catholics as well. Discovering Mary brings together essential Marian information in an engaging manner not only to instruct but also to deepen devotion to "the one who bore our Savior and deserves our love."**

HUMAN-COMPUTER INTERACTION - INTERACT 2009

12TH IFIP TC 13 INTERNATIONAL CONFERENCE, UPPSALA, SWEDEN, AUGUST 24-28, 2009, PROCEEDIGNS PART I

Springer **INTERACT 2009 was the 12th of a series of INTERACT international c- ferences supported by the IFIP Technical Committee 13 on Human-Computer Interaction. This year,INTERACT washeld in Uppsala (Sweden), organizedby the Swedish Interdisciplinary Interest Group for Human-Computer Interaction (STIMDI) in cooperation with the Department of Information Technology at Uppsala University. Like its predecessors, INTERACT 2009 highlighted, both to the academic and to the industrial world, the importance of the human-computer interaction (HCI) area and its most recent breakthroughs on current applications. Both - perienced HCI researchers and professionals, as well as newcomers to the HCI ?eld, interested in designing or evaluating interactive software, developing new interaction technologies, or investigating overarching theories of HCI, found in INTERACT 2009 a great forum for communication with people of similar int- ests, to encourage collaboration and to learn. INTERACT 2009 had Research and Practice as its special theme. The r- son we selected this theme is that the research within the ?eld has drifted away from the practicalapplicability of its results and that the HCI practice has come to disregard the knowledge and development within the academic community.**

DISCOVERING COMPUTERS 2005

A GATEWAY TO INFORMATION

Course Technology Ptr **Set a higher standard. Discovering Computers 2005 continues a tradition of compelling and exciting content, multimedia, and instructional support.**

THE INNOVATOR'S DNA

MASTERING THE FIVE SKILLS OF DISRUPTIVE INNOVATORS

Harvard Business Press **A new classic, cited by leaders and media around the globe as a highly recommended read for anyone interested in innovation. In The Innovator's DNA, authors Jeffrey Dyer, Hal Gregersen, and bestselling author Clayton Christensen (The Innovator's Dilemma, The Innovator's Solution, How Will You Measure Your Life?) build on what we know about disruptive innovation to show how individuals can develop the skills necessary to move progressively from idea to impact. By identifying behaviors of the world's best innovators—from leaders at Amazon and Apple to those at Google, Skype, and Virgin Group—the authors outline five discovery skills that distinguish innovative entrepreneurs and executives from ordinary managers: Associating, Questioning, Observing, Networking, and Experimenting. Once you master these competencies (the authors provide a self-assessment for rating your own innovator's DNA), the authors explain how to generate ideas, collaborate to implement them, and build innovation skills throughout the organization to result in a competitive edge. This innovation advantage will translate into a premium in your company's stock price—an innovation premium—which is possible only by building the code for innovation right into your organization's people, processes, and guiding philosophies. Practical and provocative, The Innovator's DNA is an essential resource for individuals and teams who want to strengthen their innovative prowess.**

DISCOVERING COMPUTERS

FUNDAMENTALS

Course Technology Ptr **Covering the same breadth, but with less depth as Discovering Computers 2007: Complete, this book is ideal for a short course on computer concepts or in application software courses.**

DISCOVERING COMPUTERS ©2016

Cengage Learning **The popular DISCOVERING COMPUTERS is now revised, based on customer feedback, to reflect the evolving needs of today's Introductory Technology students. This exciting new edition maintains proven hallmarks that ensure students know what they need to be successful digital citizens in college and beyond. This edition offers the latest coverage of today's digital world with an emphasis on enterprise computing, ethics, Internet search skills, mobile computing, various operating systems, browsers and security. Critical thinking and problem-solving exercises throughout the text reinforce key skills, while end-of-chapter activities provide hands-on practice. DISCOVERING COMPUTERS provides the content your students need, presented in a way that ensures their success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

ERGONOMICS AND HEALTH ASPECTS OF WORK WITH COMPUTERS

INTERNATIONAL CONFERENCE, EHAWC 2009, HELD AS PART OF HCI INTERNATIONAL 2009, SAN DIEGO, CA, USA, JULY 19-24, 2009, PROCEEDINGS

Springer Science & Business Media **The 13th International Conference on Human–Computer Interaction, HCI Inter- tional 2009, was held in San Diego, California, USA, July 19-24, 2009, jointly with the Symposium on Human Interface (Japan) 2009, the 8th International Conference on Engineering Psychology and Cognitive Ergonomics, the 5th International Conference on Universal Access in Human–Computer Interaction, the Third International Conf- ence on Virtual and Mixed Reality, the Third International Conference on Internati- alization, Design and Global Development, the Third International Conference on Online Communities and Social Computing, the 5th International Conference on Augmented Cognition, the Second International Conference on Digital Human Mod- ing, and the First International Conference on Human Centered Design. A total of 4,348 individuals from academia, research institutes, industry and gove- mental agencies from 73 countries submitted contributions, and 1,397 papers that were judged to be of high scientific quality were included in the program. These papers - dress the latest research and development efforts and highlight the human aspects of the design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human–computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas.**

INTELLIGENCE AND SECURITY INFORMATICS

PACIFIC ASIA WORKSHOP, PAISI 2009, BANGKOK, THAILAND, APRIL 27, 2009. PROCEEDINGS

Springer Science & Business Media **This book constitutes the refereed proceedings of the Pacific Asia Workshop on Intelligence and Security Informatics, PAISI 2009, held in Bangkok, Thailand, in April 2009. The 10 revised full papers, 7 revised short papers together with 1 keynote lecture were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on terrorism informatics and crime analysis enterprise risk management emergency response and surveillance information access and security, as well as data and text mining.**

DISCOVERING COMPUTERS 2007

A GATEWAY TO INFORMATION

Course Technology Ptr **Provides a current and thorough introduction to computers by integrating usage of the World Wide Web with the printed text. Updated for currency, this Shelly Cashman Series text offers a complete solution to successfully teach students basic computer concepts with new exercises, case studies, and online tools on the Companion Web site.**

SOLVING THE DYNAMIC COMPLEXITY DILEMMA

PREDICTIVE AND PRESCRIPTIVE BUSINESS MANAGEMENT: ANSWERING THE NEED FOR A NEW PARADIGM

Springer **Dynamic complexity results from hidden, unknown factors—or more precisely, interactions between factors—that can unexpectedly impact the performance of systems. When the influences of dynamic complexity are not measured and understood, new never-seen-before behaviors can come as unwelcomed surprises, which disrupt the performance of systems. Left alone, processes that were once prized for their efficiency unexpectedly begin to degrade—costs increase, while volumes and quality decline. Evidence of problems may come too late for effective resolution as technology advancements induce rapid change and compress the time available to react to that change. The results of dynamic complexity are always negative and unmanaged dynamic complexity can bring business or global systems to the point of sudden chaos. The 2009 H1N1 pandemic, 2008 Credit Crunch and 2011 Fukushima Daiichi nuclear disaster are global examples of the dangers of undiagnosed dynamic complexity. With increasing frequency executive leaders today are discovering that their business and IT system performance levels are not meeting expectations. In most cases these performance deficiencies are caused by dynamic complexity, which lies hidden like a cancer until the symptoms reveal themselves—often when it is too late to avoid negative impacts on business outcomes. This book examines the growing business problem of dynamic complexity and presents a path to a practical solution. To achieve better predictability, organizations must be able to expose new, dangerous patterns of behavior in time to take corrective actions and know which actions will yield the optimal results. The book authors promote new methods of risk management that use data collection, analytics, machine learning and automation processes to help organizations more accurately predict the future and take strategic actions to improve performance outcomes. The presented means of achieving this goal are based upon the authors' practical experiences, backed by scientific principles, and results achieved through consulting engagements with over 350 global organizations.**

STUDY GUIDE FOR SHELLY/VERMAAT S DISCOVERING COMPUTERS 2011: COMPLETE

Cengage Learning **Study more effectively and improve your performance at exam time with this comprehensive guide. Written to work hand-in hand with DISCOVERING COMPUTERS 2011: COMPLETE, 1st Edition, this user-friendly guide includes a wide variety of learning tools to help you master the key concepts of the course.**

SEARCHING AND SEIZING COMPUTERS AND OBTAINING ELECTRONIC EVIDENCE IN CRIMINAL INVESTIGATIONS

DISCOVERING REQUIREMENTS

HOW TO SPECIFY PRODUCTS AND SERVICES

John Wiley & Sons **"This book is not only of practical value. It's also a lot of fun to read." Michael Jackson, The Open University. Do you need to know how to create good requirements? Discovering Requirements offers a set of simple, robust, and effective cognitive tools for building requirements. Using worked examples throughout the text, it shows you how to develop an understanding of any problem, leading to questions such as: What are you trying to achieve? Who is involved, and how? What do those people want? Do they agree? How do you envisage this working? What could go wrong? Why are you making these decisions? What are you assuming? The established author team of Ian Alexander and Ljerka Beus-Dukic answer these and related questions, using a set of complementary techniques, including stakeholder analysis, goal modelling, context modelling, storytelling and scenario modelling, identifying risks and threats, describing rationales, defining terms in a project dictionary, and prioritizing. This easy to read guide is full of carefully-checked tips and tricks. Illustrated with worked examples, checklists, summaries, keywords and exercises, this book will encourage you to move closer to the real problems you're trying to solve. Guest boxes from other experts give you additional hints for your projects. Invaluable for anyone specifying requirements including IT practitioners, engineers, developers, business analysts, test engineers, configuration managers, quality engineers and project managers. A practical sourcebook for lecturers as well as students studying software engineering who want to learn about requirements work in industry. Once you've read this book you will be ready to create good requirements!**

COMPUTATIONAL COMPLEXITY

A MODERN APPROACH

Cambridge University Press **New and classical results in computational complexity, including interactive proofs, PCP, derandomization, and quantum computation. Ideal for graduate students.**

START-UP NATION

THE STORY OF ISRAEL'S ECONOMIC MIRACLE

Twelve **START-UP NATION addresses the trillion dollar question: How is it that Israel-- a country of 7.1 million, only 60 years old, surrounded by enemies, in a constant state of war since its founding, with no natural resources-- produces more start-up companies than large, peaceful, and stable nations like Japan, China, India, Korea, Canada and the UK? With the savvy of foreign policy insiders, Senor and Singer examine the lessons of the country's adversity-driven culture, which flattens hierarchy and elevates informality-- all backed up by government policies focused on innovation. In a world where economies as diverse as Ireland, Singapore and Dubai have tried to re-create the "Israel effect", there are entrepreneurial lessons well worth noting. As America reboots its own economy and can-do spirit, there's never been a better time to look at this remarkable and resilient nation for some impressive, surprising clues.**

SHELLY CASHMAN SERIES

CUSTOM EDITION

UNIVERSITY LIBRARIES AND DIGITAL LEARNING ENVIRONMENTS

Routledge **University libraries around the world have embraced the possibilities of the digital learning environment, facilitating its use and proactively seeking to develop the provision of electronic resources and services. The digital environment offers opportunities and challenges for librarians in all aspects of their work - in information literacy, virtual reference, institutional repositories, e-learning, managing digital resources and social media. The authors in this timely book are leading experts in the field of library and information management, and are at the forefront of change in their respective institutions. University Libraries and Digital Learning Environments will be invaluable for all those involved in managing libraries or learning services, whether acquiring electronic resources or developing and delivering services in digital environments.**

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IGI Global **The rise of mobile phones has brought about a new era of technological attachment as an increasing number of people rely on their personal mobile devices to conduct their daily activities. Due to the ubiquitous nature of mobile phones, the impact of these devices on human behavior, interaction, and cognition has become a widely studied topic. The Encyclopedia of Mobile Phone Behavior is an authoritative source for scholarly research on the use of mobile phones and how these devices are revolutionizing the way individuals learn, work, and interact with one another. Featuring exhaustive coverage on a variety of topics relating to mobile phone use, behavior, and the impact of mobile devices on society and human interaction, this multi-volume encyclopedia is an essential reference source for students, researchers, IT specialists, and professionals seeking current research on the use and impact of mobile technologies on contemporary culture.**

DISCOVERING COMPUTERS ©2018: DIGITAL TECHNOLOGY, DATA, AND DEVICES

Cengage Learning **Learn to maximize the use of mobile devices, make the most of online tools for collaboration and communication, and fully utilize the web and cloud with the latest edition of DISCOVERING COMPUTERS 2018. Clearly see how technology skills can assist in both gaining employment and advancing a career. This edition highlights web development, how to create a strong web presence, and take full advantage of the latest Windows 10. Content addresses today's most timely issues with coverage of contemporary technology developments and interesting in-text discussions. The authors provide helpful suggestions within a proven learning structure and offer meaning practice to reinforce skills. Self-assessments open each module and equip readers to focus study efforts and master more skills in less time. DISCOVERING COMPUTERS presents the key content needed for success using an approach that ensures understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

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DRIVE

THE SURPRISING TRUTH ABOUT WHAT MOTIVATES US

Penguin **The New York Times bestseller that gives readers a paradigm-shattering new way to think about motivation from the author of When: The Scientific Secrets of Perfect Timing Most people believe that the best way to motivate is with rewards like money—the carrot-and-stick approach. That's a mistake, says Daniel H. Pink (author of To Sell Is Human: The Surprising Truth About Motivating Others). In this provocative and persuasive new book, he asserts that the secret to high performance and satisfaction-at work, at school, and at home—is the deeply human need to direct our own lives, to learn and create new things, and to do better by ourselves and our world. Drawing on four decades of scientific research on human motivation, Pink exposes the mismatch between what science knows and what business does—and how that affects every aspect of life. He examines the three elements of true motivation—autonomy, mastery, and purpose-and offers smart and surprising techniques for putting these into action in a unique book that will change how we think and transform how we live.**

SYSTEMS ANALYSIS AND DESIGN IN A CHANGING WORLD

Cengage Learning **Refined and streamlined, SYSTEMS ANALYSIS AND DESIGN IN A CHANGING WORLD, 7E helps students develop the conceptual, technical, and managerial foundations for systems analysis design and implementation as well as project management principles for systems development. Using case driven techniques, the succinct 14-chapter text focuses on content that is key for success in today's market. The authors' highly effective presentation teaches both traditional (structured) and object-oriented (OO) approaches to systems analysis and design. The book highlights use cases, use diagrams, and use case descriptions required for a modeling approach, while demonstrating their application to traditional, web development, object-oriented, and service-oriented architecture approaches. The Seventh Edition's refined sequence of topics makes it easier to read and understand than ever. Regrouped analysis and design chapters provide more flexibility in course organization. Additionally, the text's running cases have been completely updated and now include a stronger focus on connectivity in applications. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

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Cambridge University Press **First-ever comprehensive introduction to the major new subject of quantum computing and quantum information.**

THE QUEST FOR ARTIFICIAL INTELLIGENCE

Cambridge University Press **Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive**

history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

CRITICAL EXAMINATIONS OF DISTANCE EDUCATION TRANSFORMATION ACROSS DISCIPLINES

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THE ESSENTIALS OF BUSINESS RESEARCH METHODS

Routledge **Increasingly, managers must make decisions based on almost unlimited information. How can they navigate and organize this vast amount of data? Essentials of Business Research Methods provides research techniques for people who aren't data analysts. The authors offer a straightforward, hands-on approach to the vital managerial process of gathering and using data to make clear business decisions. They include critical topics, such as the increasing role of online research, ethical issues, data mining, customer relationship management, and how to conduct information-gathering activities more effectively in a rapidly changing business environment. This is the only text that includes a chapter on qualitative data analysis, and the coverage of quantitative data analysis is more extensive, and much easier to understand than in other texts. The book features a realistic continuing case throughout that enables students to see how business research information is used in the real world. It includes applied research examples in all chapters, as well as ethical dilemma mini cases, and exercises.**

WINDOWS 7 PARA DUMMIES

John Wiley & Sons **Straightforward, easy-to-use Windows 7 reference and guide for Spanish speakers. Microsoft's Windows 7, the long-awaited replacement for Windows Vista has arrived, and now you can learn the basics of this new operating system with this practical guide. Understand the new user interface, set up your desktop, cover basic applications, and much more with this easy-to-follow book. Whether you're upgrading or starting fresh, this is the perfect basic reference. Introduces the operating system and shows you how to navigate the user interface, set up your desktop, and manage files Covers basic management of applications and data and how to print Helps you get things done online by setting up a user account and build a home network Shows you how to have fun with your new system by editing audio, burning CDs, creating videos, and more Explores troubleshooting issues, such as warning notices, finding missing files, transferring data from one PC to another, and more This is the basic Windows 7 reference you'll want to keep on hand.**

SYSTEM CENTER CONFIGURATION MANAGER (SCCM) 2007 UNLEASHED

Sams Publishing **This book is your most complete source for in-depth information about Microsoft System Center Configuration Manager 2007! System Center Configuration Manager 2007 Unleashed is a comprehensive guide to System Center Configuration Manager (ConfigMgr) 2007. ConfigMgr 2007 helps you manage servers and desktops, integrates SMS 2003 "feature pack" functionality, and adds new capabilities. It enables you to assess, deploy, and update servers, clients, and devices across physical, virtual, distributed, and mobile environments, including clients that connect only over the Internet. This book guides you through designing, deploying, and configuring ConfigMgr 2007 with detailed information on topics such as capacity planning, security, site design and hierarchy planning, server placement, discovery, native mode, and using Windows Server 2008. You will learn how to tackle challenges such as setting up DCM and OSD, customizing inventory, creating queries and using query results, and configuring asset intelligence. Detailed information on how to… • Understand how ConfigMgr works • Plan your ConfigMgr deployment • Manage Windows Management Instrumentation (WMI) • Architect for performance • Install or migrate to ConfigMgr 2007 with Windows 2003 or Windows 2008 • Discover and manage clients • Create and distribute packages • Understand patch and compliance management • Create queries • Use reports • Deploy operating systems • Secure ConfigMgr 2007 • Perform site maintenance • Back up ConfigMgr components**

ARTIFICIAL INTELLIGENCE AND COMPUTATIONAL INTELLIGENCE

INTERNATIONAL CONFERENCE, AICI 2009, SHANGHAI, CHINA, NOVEMBER 7-8, 2009, PROCEEDINGS

Springer **The 2009 International Conference on Artificial Intelligence and Computational Int- ligence (AICI 2009) was held during November 7–8, 2009 in Shanghai, China. The technical program of the conference reflects the tremendous growth in the fields of artificial intelligence and computational intelligence with contributions from a large number of participants around the world. AICI 2009 received 1,203 submissions from 20 countries and regions. After rig- ous reviews, 79 high-quality papers were selected for this volume, representing an acceptance rate of 6.6%. These selected papers cover many new developments and their applications in the fields of artificial intelligence and computational intelligence. Their publications reflect a sustainable interest from the wide academic community worldwide in tirelessly pursuing new solutions through effective utilizations of arti- cial intelligence and computational intelligence to real-world problems. We would like to specially thank all the committee members and reviewers, without whose timely help it would have been impossible to review all the submitted papers to assemble this program.**

We also would like take this opportunity to express our heartfelt appreciation for all those who worked together in organizing this conference, establi- ing the technical programs and running the conference meetings. We greatly appreciate the authors, speakers, invited session organizers, session Chairs, and others who made this conference possible. Lastly, we would like to express our gratitude to the Shanghai University of Electric Power for the sponsorship and support of the conference.

UBIQUITOUS COMPUTING FUNDAMENTALS

CRC Press "...a must-read text that provides a historical lens to see how ubicomp has matured into a multidisciplinary endeavor. It will be an essential reference to researchers and those who want to learn more about this evolving field." -From the Foreword, Professor Gregory D. Abowd, Georgia Institute of Technology First introduced two decades ago, the term ubiquitous computing is now part of the common vernacular. Ubicomp, as it is commonly called, has grown not just quickly but broadly so as to encompass a wealth of concepts and technology that serves any number of purposes across all of human endeavor. While such growth is positive, the newest generation of ubicomp practitioners and researchers, isolated to specific tasks, are in danger of losing their sense of history and the broader perspective that has been so essential to the field's creativity and brilliance. Under the guidance of John Krumm, an original ubicomp pioneer, Ubiquitous Computing Fundamentals brings together eleven ubiquitous computing trailblazers who each report on his or her area of expertise. Starting with a historical introduction, the book moves on to summarize a number of self-contained topics. Taking a decidedly human perspective, the book includes discussion on how to observe people in their natural environments and evaluate the critical points where ubiquitous computing technologies can improve their lives. Among a range of topics this book examines: How to build an infrastructure that supports ubiquitous computing applications Privacy protection in systems that connect personal devices and personal information Moving from the graphical to the ubiquitous computing user interface Techniques that are revolutionizing the way we determine a person's location and understand other sensor measurements While we needn't become expert in every sub-discipline of ubicomp, it is necessary that we appreciate all the perspectives that make up the field and understand how our work can influence and be influenced by those perspectives. This is important, if we are to encourage future generations to be as successfully innovative as the field's originators.

MICROSOFT OFFICE

Course Technology Ptr [This book is] developed for an introductory personal computer applications course. No previous experience with a computer is assumed, and no mathematics beyond the high school freshman level is required. The objectives of this book are as follows: to teach the fundamentals of Microsoft Windows 3.1, Microsoft Office Manager, Microsoft Word 6, Microsoft Excel 5, Microsoft Access 2, Microsoft PowerPoint 4, and object linking and embedding (OLE); to acquaint the student with the proper way to solve personal computer application-type problems; to use practical problems to illustrate personal computer applications; to take advantage of the many new capabilities of word processing, spreadsheet creation, database development, and presentation graphics in a Windows environment; to develop integrated solutions to problems through the use [of] OLE. This textbook covers all essential aspects of Microsoft Windows, Microsoft Office Manager, the four application tools, and OLE.-Pref.

DIGITAL SOCIAL STUDIES

IAP The world is ever changing and the way students experience social studies should reflect the environment in which they live and learn. Digital Social Studies explores research, effective teaching strategies, and technologies for social studies practice in the digital age. The digital age of education is more prominent than ever and it is an appropriate time to examine the blending of the digital age and the field of social studies. What is digital social studies? Why do we need it and what is its purpose? What will social studies look like in the future? The contributing authors of this volume seek to explain, through an array of ideas and visions, what digital social studies can/should look like, while providing research and rationales for why digital social studies is needed and important. This volume includes twenty-two scholarly chapters discussing relevant topics of importance to digital social studies. The twenty-two chapters are divided into two sections. This stellar collection of writings includes contributions from leading scholars like Cheryl Mason Bolick, Michael Berson, Elizabeth Washington, Linda Bennett, and many more.

HANDBOOK OF RESEARCH ON TEACHING

The Fifth Edition of the Handbook of Research on Teachingis an essential resource for students and scholars dedicated to the study of teaching and learning. This volume offers a vast array of topics ranging from the history of teaching to technological and literacy issues. In each authoritative chapter, the authors summarize the state of the field while providing conceptual overviews of critical topics related to research on teaching. Each of the volume's 23 chapters is a canonical piece that will serve as a reference tool for the field. The Handbook provides readers with an unaparalleled view of the current state of research on teaching across its multiple facets and related fields.

DISCOVERING COMPUTER SCIENCE

INTERDISCIPLINARY PROBLEMS, PRINCIPLES, AND PYTHON PROGRAMMING

CRC Press "Havill's problem-driven approach introduces algorithmic concepts in context and motivates students with a wide range of interests and backgrounds." -- Janet Davis, Associate Professor and Microsoft Chair of Computer Science, Whitman College "This book looks really great and takes exactly the approach I think should be used for a CS 1 course.

I think it really fills a need in the textbook landscape." -- Marie desJardins, Dean of the College of Organizational, Computational, and Information Sciences, Simmons University "Discovering Computer Science is a refreshing departure from introductory programming texts, offering students a much more sincere introduction to the breadth and complexity of this ever-growing field." -- James Deverick, Senior Lecturer, The College of William and Mary "This unique introduction to the science of computing guides students through broad and universal approaches to problem solving in a variety of contexts and their ultimate implementation as computer programs." -- Daniel Kaplan, DeWitt Wallace Professor, Macalester College Discovering Computer Science: Interdisciplinary Problems, Principles, and Python Programming is a problem-oriented introduction to computational problem solving and programming in Python, appropriate for a first course for computer science majors, a more targeted disciplinary computing course or, at a slower pace, any introductory computer science course for a general audience. Realizing that an organization around language features only resonates with a narrow audience, this textbook instead connects programming to students' prior interests using a range of authentic problems from the natural and social sciences and the digital humanities. The presentation begins with an introduction to the problem-solving process, contextualizing programming as an essential component. Then, as the book progresses, each chapter guides students through solutions to increasingly complex problems, using a spiral approach to introduce Python language features. The text also places programming in the context of fundamental computer science principles, such as abstraction, efficiency, testing, and algorithmic techniques, offering glimpses of topics that are traditionally put off until later courses. This book contains 30 well-developed independent projects that encourage students to explore questions across disciplinary boundaries, over 750 homework exercises, and 300 integrated reflection questions engage students in problem solving and active reading. The accompanying website — https://www.discoveringcs.net — includes more advanced content, solutions to selected exercises, sample code and data files, and pointers for further exploration.

EIGENARCHITECTURE

Birkhäuser **This book shifts the frame of reference for today's network- and structure oriented discussions from the applied computational tools of the 20th century back to the abstractness of 19th century mathematics. It re-reads George Boole, Richard Dedekind, Hermann Grassmann and Bernhard Riemann in a surprising manner. EigenArchitecture argues for a literacy of the digital, displacing the role of geometrical craftsmanship. Thus, architecture can be liberated from today's economical, technocratic and bureaucratic straight jackets: from physicalistic optimization, sociological balancing, and ideological naturalizations. The book comprises a programmatic text on the role of technology in architecture, a philosophical text on the generic and on algebraic articulation, and six exemplary projects by postgraduate students in 2012 at the Chair for Computer Aided Architectural Design at ETH Zurich, Switzerland.**

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