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Addison-Wesley Professional

Upgrading to Inroads Ss4Createspace Independent Publishing Platform

Building Embedded Linux Systems IGI Global

...designed for use with children from age 3 & above who suffer from mental retardation, brain damage, autism, severe aphasia, emotional disorders or childhood schizophrenia...

Inroads to Software Quality CRC Press

This InRoads training manual is designed for civil engineers and designers who plan to use InRoads SS2 for design and evaluation of highway or other corridor projects. In the workbook, you have step-by-step instructions to complete an example road design project that illustrates both workflow and concepts of using these new software tools for corridor development. Downloadable Data Files Inside the manual are instructions on how to download a dataset that is used to work through the topics. This Manual Includes How to: Work with Digital Terrain Models (DTMs) Define Horizontal Alignments Create Profiles of the existing ground and create a proposed Vertical Alignment Create Templates (Typical Sections) Use the Roadway Designer interface to create a proposed Surface Set up Transitions using Templates, Point Controls and Parametrics Set up Superelevation using the Superelevation Wizard Create Cross Sections showing existing and proposed surfaces Compute End Area Volumes Generate project Reports Create Plan and Profile Sheets Commercial Aviation Safety, Sixth Edition Springer

Introduction -- China's Sputnik moment -- Copycats in the Coliseum -- China's alternate Internet universe -- A tale of two countries -- The four waves of AI -- Utopia, dystopia, and the real AI crisis -- The wisdom of cancer -- A blueprint for human co-existence with AI -- Our global AI story

Upgrading to Inroads Ss4 Interpet

Though mathematical ideas underpin the study of neural networks, the author presents the fundamentals without the full mathematical apparatus. All aspects of the field are tackled, including artificial neurons as models of their real counterparts; the geometry of network action in pattern space; gradient descent methods, including back-propagation; associative memory and Hopfield nets; and self-organization and feature maps. The traditionally difficult topic of adaptive resonance theory is clarified within a hierarchical description of its operation. The book also includes several real-world examples to provide a concrete focus. This should enhance its appeal to those involved in the design, construction and management of networks in commercial environments and who wish to improve their understanding of network simulator packages. As a comprehensive and highly accessible introduction to one of the most important topics in cognitive and computer science, this volume should interest a wide range of readers, both students and professionals, in cognitive science, psychology, computer science and electrical engineering.

Embedded Linux System Design and Development Lulu.com

From the cofounder of Square, an inspiring and entertaining account of what it means to be a true entrepreneur and what it takes to build a resilient, world-changing company In 2009, a St. Louis glassblowing artist and recovering computer scientist named Jim McKelvey lost a sale because he couldn't accept American Express cards. Frustrated by the high costs and difficulty of accepting credit card payments, McKelvey joined his friend Jack Dorsey (the cofounder of Twitter) to launch Square, a startup that would enable small merchants to accept credit card payments on their mobile phones. With no expertise or experience in the world of payments, they approached the problem of credit cards with a new perspective, questioning the industry's assumptions, experimenting and innovating their way through early challenges, and achieving widespread adoption from merchants small and large. But just as Square was taking off, Amazon launched a similar product, marketed it aggressively, and undercut Square on price. For most ordinary startups, this would have spelled the end. Instead, less than a year later, Amazon was in retreat and soon discontinued its service. How did Square beat the most dangerous company on the planet? Was it just luck? These questions motivated McKelvey to study what Square had done differently

from all the other companies Amazon had killed. He eventually found the key: a strategy he calls the Innovation Stack. McKelvey's fascinating and humorous stories of Square's early days are blended with historical examples of other world-changing companies built on the Innovation Stack to reveal a pattern of ground-breaking, competition-proof entrepreneurship that is rare but repeatable. The Innovation Stack is a thrilling business narrative that's much bigger than the story of Square. It is an irreverent first-person look inside the world of entrepreneurship, and a call to action for all of us to find the entrepreneur within ourselves and identify and fix unsolved problems--one crazy idea at a time.

The Innovation Stack SAGE

Widely praised for its balanced treatment of computer ethics, Ethics for the Information Age offers a modern presentation of the moral controversies surrounding information technology. Topics such as privacy and intellectual property are explored through multiple ethical theories, encouraging readers to think critically about these issues and to make their own ethical decisions.

Digital Accounting John Wiley & Sons

Thoroughly reviewed and eagerly anticipated by the agile community, User Stories Applied offers a requirements process that saves time, eliminates rework, and leads directly to better software. The best way to build software that meets users' needs is to begin with "user stories": simple, clear, brief descriptions of functionality that will be valuable to real users. In User Stories Applied, Mike Cohn provides you with a front-to-back blueprint for writing these user stories and weaving them into your development lifecycle. You'll learn what makes a great user story, and what makes a bad one. You'll discover practical ways to gather user stories, even when you can't speak with your users. Then, once you've compiled your user stories, Cohn shows how to organize them, prioritize them, and use them for planning, management, and testing. User role modeling: understanding what users have in common, and where they differ Gathering stories: user interviewing, questionnaires, observation, and workshops Working with managers, trainers, salespeople and other "proxies" Writing user stories for acceptance testing Using stories to prioritize, set schedules, and estimate release costs Includes end-of-chapter practice questions and exercises User Stories Applied will be invaluable to every software developer, tester, analyst, and manager working with any agile method: XP, Scrum... or even your own home-grown approach. Don't Shoot the Dog! Penguin

This training manual is written for civil engineers and designers who will use OpenRoads Designer for design and evaluation of highways or other corridors. Included are step-by-step instructions to complete an example road design project illustrating both workflow and concepts of the software. Inside the book are instructions on how to download a real-world dataset that is used to: Work with Terrain Models Define Horizontal Alignments Create Profiles of the existing terrain and create a proposed Vertical Alignment Create Templates (Typical Sections) Use Corridor Modeling to create a proposed model Set up Transitions using Templates, Point Controls and Parametrics Set up Superelevation using AASHTO or DOT standards Create Cross Sections showing existing and proposed models Compute Volumes including End Area Create Plan and Profile Sheets This manual is suitable for self-paced learning or a classroom environment.

Key Concepts in Adult Education and Training MIT Press

A pair of technology experts describe how humans will have to keep pace with machines in order to become prosperous in the future and identify strategies and policies for business and individuals to use to combine digital processing power with human ingenuity.

Roadside Design Guide Univ Park Press

This timely textbook presents a comprehensive guide to the core topics in cybersecurity, covering issues of security that extend beyond traditional computer networks to the ubiquitous mobile communications and online social networks that have become part of our daily lives. In the context of our

growing dependence on an ever-changing digital ecosystem, this book stresses the importance of security awareness, whether in our homes, our businesses, or our public spaces. This fully updated new edition features new material on the security issues raised by blockchain technology, and its use in logistics, digital ledgers, payments systems, and digital contracts. Topics and features: Explores the full range of security risks and vulnerabilities in all connected digital systems Inspires debate over future developments and improvements necessary to enhance the security of personal, public, and private enterprise systems Raises thought-provoking questions regarding legislative, legal, social, technical, and ethical challenges, such as the tension between privacy and security Describes the fundamentals of traditional computer network security, and common threats to security Reviews the current landscape of tools, algorithms, and professional best practices in use to maintain security of digital systems Discusses the security issues introduced by the latest generation of network technologies, including mobile systems, cloud computing, and blockchain Presents exercises of varying levels of difficulty at the end of each chapter, and concludes with a diverse selection of practical projects Offers supplementary material for students and instructors at an associated website, including slides, additional projects, and syllabus suggestions This important textbook/reference is an invaluable resource for students of computer science, engineering, and information management, as well as for practitioners working in data- and information-intensive industries.

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Based upon the authors' experience in designing and deploying an embedded Linux system with a variety of applications, Embedded Linux System Design and Development contains a full embedded Linux system development roadmap for systems architects and software programmers. Explaining the issues that arise out of the use of Linux in embedded systems, the book facilitates movement to embedded Linux from traditional real-time operating systems, and describes the system design model containing embedded Linux. This book delivers practical solutions for writing, debugging, and profiling applications and drivers in embedded Linux, and for understanding Linux BSP architecture. It enables you to understand: various drivers such as serial, I2C and USB gadgets; uClinux architecture and its programming model; and the embedded Linux graphics subsystem. The text also promotes learning of methods to reduce system boot time, optimize memory and storage, and find memory leaks and corruption in applications. This volume benefits IT managers in planning to choose an embedded Linux distribution and in creating a roadmap for OS transition. It also describes the application of the Linux licensing model in commercial products.

MicroStation I SS4 Addison-Wesley

Natural resources have the transformational potential to support economic and political stability as well as contribute to national prosperity and economic development. However, in countries dependent upon natural resource sectors, poor management of these sectors often contributes to corruption, illicit financial flows (IFFs) and thus, poverty. Adequate transparency and accountability in regulatory management of these sectors is a challenge for resource rich countries. Poor licensing decisions in natural resource management can open a Pandora's box of corruption risks. This manual provides methods and options based on good practices to improve transparency, accountability, and integrity in the regulatory licensing process and integrity due diligence. The manual borrows models from the Basel Core Principle 'fit and proper' concept, and provides options for conducting effective (a) beneficial ownership; (b) criminal/legal; and (c) conflicts of interest checks, with a goal of integrating these into the regulatory licensing process. The manual also identifies common legal framework defects that can facilitate corruption risks, and offers options based on principles of regulatory integrity to reduce these risks. The good practices identified can help countries allocate limited financial resources in conducting thorough background checks in a cost-effective manner, as well as meet EITI's requirements for public disclosure of beneficial owners and politically exposed persons. These strategies for reducing opportunities for corruption in extractive sectors can help reduce IFFs that can sap resources from the economy and inhibit a country's ability to achieve the Sustainable Development Goals.

Ethics for the Information Age Routledge
Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy, with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting

from scratch. Ideal for Linux administrators, developers, and power users, this updated edition shows you how to write a basic dialplan step-by-step, and brings you up to speed on the features in Asterisk 11, the latest long-term support release from Digium. You ' ll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan, using best practices for more advanced features Delve into voicemail options, such as storing messages in a database Connect to external services including Google Talk, XMPP, and calendars Incorporate Asterisk features and functions into a relational database to facilitate information sharing Learn how to use Asterisk ' s security, call routing, and faxing features Monitor and control your system with the Asterisk Manager Interface (AMI) Plan for expansion by learning tools for building distributed systems

Free Software, Free Society Houghton Mifflin Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. Building Embedded Linux Systems is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up, manipulating, and using solid-state storage devices Installing and configuring a bootloader for the target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons. Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, tftpd, tftp, strace, and gdb are among the packages discussed. Applying Inroads SS4 Createspace Independent Publishing Platform

Now thoroughly streamlined and revised, PRINCIPLES OF INFORMATION SYSTEMS, Ninth Edition, retains the overall vision and framework that made the previous editions so popular while eliminating outdated topics and updating information, examples, and case studies. In just 600 pages, accomplished authors Ralph Stair and George Reynolds cover IS principles and their real-world applications using timely, current business examples and hands-on activities. Regardless of their majors, students can use this book to understand and practice IS principles so they can function more effectively as workers, managers, decision makers, and organizational leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Buyology Currency

Artificial Intelligence (AI) in Healthcare is more than a comprehensive introduction to artificial intelligence as a tool in the generation and analysis of healthcare data. The book is split into two sections where the first section describes the current healthcare challenges and the rise of AI in this arena. The ten following chapters are written by specialists in each area, covering the whole healthcare ecosystem. First, the AI applications in drug design and drug development are presented followed by its applications in the field of cancer diagnostics, treatment and medical imaging. Subsequently, the application of AI in medical devices and surgery are covered as well as remote patient monitoring. Finally, the book dives into the topics of security, privacy, information sharing, health insurances and legal aspects of AI in healthcare. Highlights different data techniques in healthcare data analysis, including machine learning and data mining Illustrates different applications and challenges across the design, implementation and management of intelligent systems and healthcare data networks Includes applications and case studies across all areas of AI in healthcare data

Asterisk: The Definitive Guide WIPO

In eight clear-cut steps, this book provides a systematic introduction to qualitative content analysis and how you can use it in each stage of your research project, no matter the type or amount of data. Developed by a leading expert in the field

and based on years of teaching experience, this book offers an essential framework for interpreting qualitative data for any social sciences student or researcher. To support you in choosing the best approach for your research, this book includes: - Examples of how QCA can be applied to various research processes - An introduction to text analysis and its different approaches - Discussions of how to use QCA software to benefit your research - An online how-to manual to help you get the most out of QCAMap software. It also introduces the process of scientific research, and integrates qualitative and quantitative analysis into the step-by-step approach.

AI Superpowers "O'Reilly Media, Inc."

Essay Collection covering the point where software, law and social justice meet.

Software Defined Networks Academic Press

The Translator Training Textbook is the #1 training resource on becoming a professional translator. This textbook contains free videos, a discussion of ethics, practical career advice, a glossary of critical translation industry terms, and most importantly expert interview transcripts from the most successful translators in the industry. This is a required text in the Certified Translation Professional (CTP) program which is a self-paced training and certification program for professional translators. To learn more about this program please see <http://TranslationCertification.org> If you are working to become a more successful translator you need this textbook.