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GEQYOW - NADIA THORNTON

Simon the loyal has vowed never to love, for love makes a warrior weak. His arranged marriage to a beautiful Norman heiress would be duty and no more. But more than duty stirs his blood when he first sees Ariane. She has known only coldness from men and a betrayal so deep it all but killed her soul. Wanting no man, trusting no man, speaking only through the sad songs she draws from her harp, Ariane comes to Simon an unwilling bride. They wed to bring peace to the disputed lands, but marriage alone is not enough. Simon must teach Ariane passion, she must teach him trust. And both must surrender to the sweet violence of love's enchantment. . . or die.

Develop interactive Arduino-based Internet projects with Ethernet and WiFi About This Book Build Internet-based Arduino devices to make your home feel more secure Learn how to connect various sensors and actuators to the Arduino and access data from Internet A project-based guide filled with schematics and wiring diagrams to help you build projects incrementally Who This Book Is For This book is intended for those who want to learn more about Arduino and make Internet-based interactive projects with Arduino. If you are an experienced software developer who understands the basics of electronics, then you can quickly learn how to build the Arduino projects explained in this book. What You Will Learn Make a powerful Internet controlled relay with an embedded web server to monitor and control your home electrical appliances Build a portable Wi-Fi signal strength sensor to give haptic feedback about signal strength to the user Measure water flow speed and volume with liquid flow sensors and record real-time readings Secure your home with motion-activated Arduino security cameras and upload images to the cloud Implement real-time data logging of a solar panel voltage with Arduino cloud connectors Track locations with GPS and upload location data to the cloud Control a garage door light with your Twitter feed Control infrared enabled devices with IR remote and Arduino In Detail Arduino is a small single-chip computer board that can be used for a wide variety of creative hardware projects. The hardware consists of a simple microcontroller, board, and chipset. It comes with a Java-based IDE to allow creators to program the board. Arduino is the ideal open hardware platform for experimenting with the world of the Internet of Things. This credit card sized Arduino board can be used via the Internet to make more useful and interactive Internet of things projects. Internet of Things with Arduino Blueprints is a project-based book that begins with projects based on IoT and cloud computing concepts. This book covers up to eight projects that will allow devices to communicate with each other, access information over the Internet, store and retrieve data, and interact with users—creating smart, pervasive, and always-connected environments. It explains how wired and wireless Internet connections can be used with projects and the use of various sensors and actuators. The main aim of this book is to teach you how Arduino can be used for Internet-related projects

so that users are able to control actuators, gather data from various kinds of sensors, and send and receive data wirelessly across HTTP and TCP protocols. Finally, you can use these projects as blueprints for many other IoT projects and put them to good use. By the end of the book, you will be an expert in the use of IoT with Arduino to develop a set of projects that can relate very well to IoT applications in the real world. Style and approach Every chapter in this book clearly explains how to assemble components through easy-to-follow steps on while laying out important concepts, code snippets, and expected output results so that you can easily end up with a successful project where you can also enhance or modify the project according to your requirements.

The objective is to provide the latest developments in the area of soft computing. These are the cutting edge technologies that have immense application in various fields. All the papers will undergo the peer review process to maintain the quality of work.

Explore and learn about Internet of Things to develop interactive Arduino-based Internet projects About This Book- Learn the capabilities and differences between popular protocols and communication patterns and how they can be used, and should not be used, to create secure and interoperable services and things- Build Internet-based Arduino devices to make your home feel more secure- Learn to protect cyber-physical systems and utilize forensic data analysis to beat vulnerabilities in your IoT ecosystem- Learn best practices to secure your data from device to the cloud Who This Book Is For If you're a developer or electronics engineer who is curious about Internet of Things, then this is the course for you. A rudimentary understanding of electronics, Raspberry Pi, or similar credit-card sized computers, and some programming experience using managed code such as C# or Java will be helpful. Business analysts and managers will also find this course useful. What You Will Learn - Know the capabilities and limitations of the HTTP, UPnP, CoAP, MQTT, and XMPP protocols- Use important communication patterns, such as the request/respond, publish/subscribe, event subscription, asynchronous messaging, and multicasting patterns- Build a portable Wi-Fi signal strength sensor to give haptic feedback about signal strength to the user- Measure the water flow speed and volume with liquid flow sensors and record real-time readings- Secure your home with motion-activated Arduino security cameras and upload images to the cloud- Implement real-time data logging of a solar panel voltage with Arduino cloud connectors- Track locations with GPS and upload location data to the cloud- Control infrared-enabled devices with IR remote and Arduino- Use Systems Security Engineering and Privacy-by-design principles to design a secure IoT ecosystem In Detail The IoT: Building Arduino-Based Projects course will take you on a journey to become an expert in the use of IoT by developing a set of projects and finally guide you onto securing your IoT environment. The course begins with exploring the popular HTTP, UPnP, CoAP, MQTT, and XMPP protocols. In the first module Learning Internet of Things, you will learn how proto-

cols and patterns can put limitations on network topology and how they affect the direction of communication and the use of firewalls. This module gives you a practical overview of the existing protocols, communication patterns, architectures, and security issues important to Internet of Things. The second module, Internet of Things with Arduino Blueprints provides you up to eight projects that will allow devices to communicate with each other, access information over the Internet, store and retrieve data, and interact with users' creating smart, pervasive, and always-connected environments. You can use these projects as blueprints for many other IoT projects and put them to good use. It has become critical to ensure that cyber security threats are contained to a minimum when implementing new IoT services and solutions. Thus, our third module, Practical Internet of Things Security provides a set of guidelines to architect and deploy a secure IoT in your Enterprise. The aim is to showcase how the IoT is implemented in early adopting industries and describe how lessons can be learned and shared across diverse industries to support a secure IoT.

Style and approach This course introduces you to the Internet of Things architecture, helps you build Arduino projects based on IoT and cloud computing concepts, create smart, pervasive and always-connected environments, and finally guide you onto securing your IoT environment. Each of these has been covered in individual modules so that you develop your skill after the completion of a module and get ready for the next

The growing problem of changing environmental conditions caused by climate destabilization is well recognized as one of the defining issues of our time. The root problem is greenhouse gas emissions, and the fundamental solution is curbing those emissions. Climate geoengineering has often been considered to be a "last-ditch" response to climate change, to be used only if climate change damage should produce extreme hardship. Although the likelihood of eventually needing to resort to these efforts grows with every year of inaction on emissions control, there is a lack of information on these ways of potentially intervening in the climate system. As one of a two-book report, this volume of Climate Intervention discusses albedo modification - changing the fraction of incoming solar radiation that reaches the surface. This approach would deliberately modify the energy budget of Earth to produce a cooling designed to compensate for some of the effects of warming associated with greenhouse gas increases. The prospect of large-scale albedo modification raises political and governance issues at national and global levels, as well as ethical concerns. Climate Intervention: Reflecting Sunlight to Cool Earth discusses some of the social, political, and legal issues surrounding these proposed techniques. It is far easier to modify Earth's albedo than to determine whether it should be done or what the consequences might be of such an action. One serious concern is that such an action could be unilaterally undertaken by a small nation or smaller entity for its own benefit without international sanction and regardless of international consequences. Transparency in discussing this subject is critical. In the spirit of that transparency, Climate Intervention: Reflecting Sunlight to Cool Earth was based on peer-reviewed literature and the judgments of the authoring committee; no new research was done as part of this study and all data and information used are from entirely open sources. By helping to bring light to this topic area, this book will help leaders to be far more knowledgeable about the consequences of albedo modification approaches before they face a decision whether or not to use them.

Lady Jessica Charteris has tricked her way out of marriage and into the arms of Wolfe Lonetree. Now, Jessica must accompany her new husband to America. Wholly unprepared for the hardships that await her, she is more terrified of Wolfe himself, whose raw

sensuality leaves her breathless.

MATLAB for Neuroscientists serves as the only complete study manual and teaching resource for MATLAB, the globally accepted standard for scientific computing, in the neurosciences and psychology. This unique introduction can be used to learn the entire empirical and experimental process (including stimulus generation, experimental control, data collection, data analysis, modeling, and more), and the 2nd Edition continues to ensure that a wide variety of computational problems can be addressed in a single programming environment. This updated edition features additional material on the creation of visual stimuli, advanced psychophysics, analysis of LFP data, choice probabilities, synchrony, and advanced spectral analysis. Users at a variety of levels—advanced undergraduates, beginning graduate students, and researchers looking to modernize their skills—will learn to design and implement their own analytical tools, and gain the fluency required to meet the computational needs of neuroscience practitioners. The first complete volume on MATLAB focusing on neuroscience and psychology applications Problem-based approach with many examples from neuroscience and cognitive psychology using real data Illustrated in full color throughout Careful tutorial approach, by authors who are award-winning educators with strong teaching experience

Proceedings of SPIE present the original research papers presented at SPIE conferences and other high-quality conferences in the broad-ranging fields of optics and photonics. These books provide prompt access to the latest innovations in research and technology in their respective fields. Proceedings of SPIE are among the most cited references in patent literature.

This book is a part of the Blue Book series "Research on the Development of Electronic Information Engineering Technology in China," which explores the cutting edge of deep learning studies. A subfield of machine learning, deep learning differs from conventional machine learning methods in its ability to learn multiple levels of representation and abstraction by using several layers of nonlinear modules for feature extraction and transformation. The extensive use and huge success of deep learning in speech, CV, and NLP have led to significant advances toward the full materialization of AI. Focusing on the development of deep learning technologies, this book also discusses global trends, the status of deep learning development in China and the future of deep learning.

Artificial intelligence (AI) is one of many emerging technologies at the heart of economic and military competition between the United States and the People's Republic of China. However, the structural differences between the two nations create a barrier to understanding the strengths and weaknesses of one another's systems. This NIU Research Monograph provides an overview of China's AI industry ecosystem from policies to execution, paying specific attention to key government ministries, private companies, and professional associations that drive industrial growth. After an introduction to the major features of the industry, a summary of AI industry assessments compares the U.S. and Chinese AI ecosystems directly and highlights key strengths and weaknesses inherent in the Chinese model.

Returning to her Wyoming ranch at the Civil War's end, Elyssa Sutton finds it picked bare by scavengers and coveted by determined men. Yet the proud young woman vows never again to abandon her Ruby Mountain home, though it means enlisting the aid of a dark and dangerous stranger who lives for revenge alone. Hunter Maxwell has suffered from the savagery of outlaws and the faithlessness of a woman. And he will trust no female - nor will he rest until the raiders who destroyed his family pay for their crimes. A woman in, need, a man in pain, in fury and fire they

must now stand as one to fight for something cherished, something lost ... and for a passion neither dreamed could live. In the brisk chill of Autumn, ravaged hearts will be reborn.

PERT Math test takers' #1 Choice! Recommended by Test Prep Experts! The perfect guide for students of every level, PERT Math for Dummies will help you incorporate the most effective methods and all the right strategies to get ready for your PERT Math test! This up-to-date guide reflects the 2020 test guidelines and will set you on the right track to hone your math skills, overcome exam anxiety, and boost your confidence. Are you ready to ace the PERT Math test? PERT Math for Dummies creates confident, knowledgeable students that have all the skills they need to succeed on the PERT. It builds a solid foundation of mathematical concepts through easy-to-understand lessons and basic study guides. Not only does this all-inclusive workbook offer everything you will ever need to conquer the PERT Math test, but it also contains two full-length and realistic PERT Math tests that reflect the format and question types on the PERT to help you check your exam-readiness and identify where you need more practice. With this book, students will learn math through structured lessons, complete with a study guide for each segment to help understand and retain concepts after the lesson is complete. It includes everything from: Content 100% aligned with the 2020 PERT test Written by PERT Math tutors and test experts Complete coverage of all PERT Math concepts and topics on the 2020 PERT test Step-by-step guide for all PERT Math topics Over 500 additional PERT math practice questions in both multiple-choice and grid-in formats with answers grouped by topic (so you can focus on your weak areas) Abundant Math skills building exercises to help test-takers approach unfamiliar question types 2 full-length practice tests (featuring new question types) with detailed answers And much more! With this self-study guide, you won't need a math tutor to pave your path to success. PERT Math for Dummies is the only book you'll ever need to master PERT Math concepts and ace the PERT Math test! Ideal for self-study and classroom usage! Visit www.EffortlessMath.com for Online Math Practice

For the diagnosis and treatment of a variety of diseases, endoscopic procedures are associated with several benefits for the patient, such as reduced surgical trauma and short convalescence times. On the other hand, the limited field of view provided by an endoscope impedes orientation inside the body for the surgeon. This thesis addresses the computation of panorama images to support the surgeon during endoscopic examinations of the urinary bladder (cystoscopy) and enhance structured documentation. The proposed solution consists of an image stitching algorithm to create panorama views from endoscopic video streams in real-time by registering and fusing the input images. The panorama algorithm provides a broader field of view during the examination and enables the surgeon to create a map of the bladder for an enhanced documentation of cystoscopic findings.

The sensational New York Times bestselling author of *Moving Target* and *Eden Burning* returns with another breathtaking novel of romantic suspense. Elizabeth Lowell won the hearts of fans worldwide with her wonderful bestselling novels, including her wildly popular *Donavan* series. Now she brings us a brand new novel of romantic suspense, the second in her *Rarities* series following *Moving Target*. Set amid the shimmering neon and wild desert beauty of Las Vegas, *Running Scared* is a spellbinding tale of intrigue, passion, and danger centered around *Rarities Unlimited*, an exclusive appraisal house. Filled with the wonderful elements that are her hallmark—true-to-life characters, tingling suspense, and thrilling sensuality—this latest bestseller is Elizabeth Lowell at her stunning best.

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books are created from careful scans of the original. This allows us to preserve the book accurately and present it in the way the author intended. Since the original versions are generally quite old, there may occasionally be certain imperfections within these reproductions. We're happy to make these classics available again for future generations to enjoy!

They call her "Amber the Untouched" throughout the Disputed Lands -- a chaste, golden-haired beauty who fears the remarkable love that was prophesied at her birth . . . and the death that must inevitably follow. Now Duncan has come to her in darkness, as was foretold -- a wounded warrior with no memory, seared by passion's fire and irresistibly drawn to the innocent enchantress who divines truth with a touch. Their romance is legend in a time of war. But when Duncan's memory returns, he sees Amber as his enemy. Still, he cannot forsake the lover who healed his body and heart. And he will defy to the death the dread forces that have proclaimed their love . . .

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The essential introduction to the principles and applications of feedback systems—now fully revised and expanded This textbook covers the mathematics needed to model, analyze, and design feedback systems. Now more user-friendly than ever, this revised and expanded edition of *Feedback Systems* is a one-volume resource for students and researchers in mathematics and engineering. It has applications across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. Features a new chapter on design principles and tools, illustrating the types of problems that can be solved using feedback Includes a new chapter on fundamental limits and new material on the Routh-Hurwitz criterion and root locus plots Provides exercises at the end of every chapter Comes with an electronic solutions manual An ideal textbook for undergraduate and graduate students Indispensable for researchers seeking a self-contained resource on control theory

Sometimes you know things you're not supposed to know. Things that you can never un-know. Things that will change the course of your life...and the fate of the ones you love. I found her in our living room, bleeding and close to death, but alive. Barely. Until morning stole her last breath. The media called her killer the "Triangle Terror" ... and then forgot about her. But I never forgot—my murdered sister, and an investigation that led to my own resurrection from the dead. Twenty-two years ago, on a cold February night, Landon Worthington lost his father for the last time. After an armed robbery gone wrong, evidence and witness testimony pointed a shaky finger at Dan Worthington—deadbeat dad and alcoholic husband. But before the dust could settle over the conviction, Landon's preteen sister, Alexis, is murdered in their home, plunging Landon's life into further despair. Two decades and a cold case later, Landon is dogged by guilt over their estranged relationship and decides to confront his incarcerated father about what really happened the night of the robbery. But the years of lies are hard to unravel. And the biggest question of all

haunts him: How does everything tie into his sister's murder? And so begins Landon's journey to piece together the puzzle of secrets, lies, and truths that can free his father, avenge his sister, and perhaps save himself. A short story mystery perfect to read before bed as a standalone or as the companion book to *A Secondhand Life*.

This paper seeks to understand how motives to patent affect the use of the patent portfolio with a particular focus on motives aimed at the monetization of intellectual property (IP). The analysis relies on data from an international survey conducted by the European Patent Office (EPO). The main results can be summarized as follows. First, small and medium-sized enterprises (SMEs) exhibit a much stronger reliance on 'monetary patents' than large companies and nearly half of the SMEs in the sample patent for monetary reasons. Second, SMEs tend to use their patents more actively than large firms. Third, smaller companies generally have a higher proportion of their portfolio that is licensed but the licensing rate is significantly higher in the U.S. An American SME is twice as likely as a European SME to have a high share of its portfolio that is actually licensed, witnessing a fragmented market for technology in Europe.

Are you wrestling with any of these problems? You're struggling along from paycheck to paycheck. You're earning too little to ever afford your dreams. You've got too little stored away to live comfortably in retirement. Then this book is for you! If you're like most of us, your years in school did little to prepare you for the challenges of the real world. They are more likely to have planted seeds of financial and emotional failure in your life. These seeds sprout later, sabotaging our most sincere attempts to get ahead and create happy, prosperous lives for ourselves and our families. This book reverses the damage. It shows you how to identify and reverse the harmful programming you unconsciously received in the classroom, and learn new habits that will set you up for financial and emotional success right now. With the blueprint in this book, you will learn attitudes and abilities that will help you not merely to survive, but to prosper, regardless of whether the economy goes up or goes down. If you want to be rich and happy, read this book!

Mallard Fillmore lampoons everything from political correctness to Phil, Oprah, and Geraldo to our government's insatiable appetite for spending our money. His marvelous supporting cast includes wickedly wonderful caricatures of everyone who's anyone, from Hollywood to D.C. to Arkansas.

Have you ever wondered what your LEGO creations would look like on the big screen? The LEGO Animation Book will show you how to bring your models to life with stop-motion animation—no experience required! Follow step-by-step instructions to make your first animation, and then explore the entire filmmaking process, from storyboards to post-production. Along the way, you'll learn how to: -Create special effects like explosions and flying minifigures -Convey action and emotion with your minifigure actors -Design sets for animation—make three buildings look like an entire city! -Light, frame, and capture consistent photos -Add

detail and scope to your films by building in different scales -Build camera dollies and rigs out of LEGO bricks -Choose cameras, software, and other essential animation tools Dive into the world of animation and discover a whole new way to play! For ages 10+

If there is a reunion in your future, whether as the organizer or a helping hand, *Reunion Planner* is one book you won't want to be without. *Reunion Planner* leaves nothing to chance. The contents include sections on the following: choosing the proper kind of reunion, recruiting volunteers, selecting the time and place, creating the program, guest speakers, budgeting, notifying the participants and promoting the event, planning meals and decorations, accommodations and transportation, souvenirs and fund raisers, photographers and videographers, building a genealogy, and finishing touches from road signs to thank-you notes and more.

Returning home triumphant from the Crusades, Dominic le Sabre is determined to claim the bride promised to him by the king, but the high-born Celtic beauty is equally determined to resist him.

Exploring the effects of cross-cultural contact in the Americas, Brooklyn-based artist (and native New Mexican) Abeyta creates masterful oil paintings in a Spanish Baroque style infused with contemporary subject matter. His paintings combine ancient and contemporary Latino subjects—Cuzco style Madonnas, lowriders, Mexican wrestlers, Spanish matadors, New Mexican traditions, and the encounter of Europeans and Mesoamericans.

With this interactive book, kids will learn all kinds of animation techniques through exciting, hands-on projects. No previous experience required!

Presents what you need to create stop-motion videos on your mobile phone or digital camera. In this title, you can learn how to make stop-motion videos like a professional. Using tips and tricks from the experts, it reveals 2-D and 3-D techniques with puppets, clay-modelling, morphing and pixilation.

As most of you are aware, the road to a successful career in Software starts with a series of Written Technical Tests conducted by most IT companies in India. These companies test you fundamental skills in programming and design in three major areas—C Programming, Data Structures and C++ Programming. Most of you may have prepared for that "dream test" without knowing the exact pattern, the level and the difficulty of questions that appear in such tests. As a result, you are not able to give your best performance in these tests. This "Interview Questions" series addresses these concerns and is aimed at giving you the necessary practice and confidence to help you crack these tests. This series presents a whole gamut on questions on different topics in each of these three subjects—C, DS and C++. This volume is dedicated to topics like: Contents Data types Operators Pointers Advanced Storage Classes Arrays Structures Control Instructions Functions Pointer Concepts Preprocessor Directives Strings Unions

An award-winning journalist breaks through the wall of secrecy to reveal how the world's most powerful company really works and how it is transforming the American economy.

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