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Neil Peart invited 18 of the world's most respected drummers to record an album as the ultimate tribute to Bernard "Buddy" Rich. This video series was shot during those Burning for Buddy sessions. It contains preparations for the recording, final takes, interviews with the drummers about Buddy, candid footage of the control room during playback, and more, all tied together by Neil Peart's beautiful commentary. Part Four features Marvin "Smitty" Smith, David Garibaldi, Simon Phillips, Gregg Bissonette and Dave

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Weckl. (61 min.)

How can you create products that successfully find customers? In this practical book, you'll learn from some of the best product designers in the field, from companies like Facebook and LinkedIn to up-and-coming contenders. You'll understand how to discover and interpret customer pain, and learn how to use this research to guide your team through each step of product creation. Written by designers, product managers, and others who want to communicate better with designers, this book is essential reading for anyone who contributes to the product creation process. Understand exactly who your customers are, what they want, and how to build products that make them happy. Learn frameworks and principles that successful product designers use. Incorporate five states into every screen of your interface to improve conversions and reduce

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perceived loading times Discover meeting techniques that Apple, Amazon, and LinkedIn use to help teams solve the right problem and make decisions faster Design effective interfaces across different form factors by understanding how people hold devices and complete tasks Learn how successful designers create working prototypes that capture essential customer feedback Create habit-forming and emotionally engaging experiences, using the latest psychological research

In *Math for Programmers* you'll explore important mathematical concepts through hands-on coding. Filled with graphics and more than 300 exercises and mini-projects, this book unlocks the door to interesting—and lucrative!—careers in some of today's hottest fields. As you tackle the basics of linear algebra, calculus, and machine learning, you'll master the key Python libraries used to turn them

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into real-world software applications. Summary To score a job in data science, machine learning, computer graphics, and cryptography, you need to bring strong math skills to the party. Math for Programmers teaches the math you need for these hot careers, concentrating on what you need to know as a developer. Filled with lots of helpful graphics and more than 200 exercises and mini-projects, this book unlocks the door to interesting—and lucrative!—careers in some of today's hottest programming fields. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Skip the mathematical jargon: This one-of-a-kind book uses Python to teach the math you need to build games, simulate 3D graphics, and machine learning algorithms. Discover how algebra and calculus come alive when you see them in code! About

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the book *In Math for Programmers* you'll explore important mathematical concepts through hands-on coding. Filled with graphics and more than 300 exercises and mini-projects, this book unlocks the door to interesting—and lucrative!—careers in some of today's hottest fields. As you tackle the basics of linear algebra, calculus, and machine learning, you'll master the key Python libraries used to turn them into real-world software applications. What's inside: Vector geometry for computer graphics, Matrices and linear transformations, Core concepts from calculus, Simulation and optimization, Image and audio processing, Machine learning algorithms for regression and classification. About the reader: For programmers with basic skills in algebra. About the author: Paul Orland is a programmer, software entrepreneur, and math enthusiast. He is co-founder of Tachyus, a start-up building

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predictive analytics software for the energy industry. You can find him online at www.paulor.land. Table of Contents 1 Learning mathematics with code PART 1 - VECTORS AND GRAPHICS 2 Drawing with 2D vectors 3 Ascending to the 3D world 4 Transforming vectors and graphics 5 Computing transformations with matrices 6 Generalizing to higher dimensions 7 Solving systems of linear equations PART 2 - CALCULUS AND PHYSICAL SIMULATION 8 Understanding rates of change 9 Simulating moving objects 10 Working with symbolic expressions 11 Simulating force fields 12 Optimizing a physical system 13 Analyzing sound waves with a Fourier series PART 3 - MACHINE LEARNING APPLICATIONS 14 Fitting functions to data 15 Classifying data with logistic regression 16 Training neural networks

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maintain your own systems, not just the ones you write code for. Regular exercise and proper nutrition help you learn, remember, concentrate, and be creative--skills critical to doing your job well. Learn how to change your work habits, master exercises that make working at a computer more comfortable, and develop a plan to keep fit, healthy, and sharp for years to come. Small changes to your habits can improve your health--without getting in the way of your work. The Healthy Programmer gives you a daily plan of action that's incremental and iterative just like the software development processes you're used to. Every tip, trick, and best practice is backed up by the advice of doctors, scientists, therapists, nutritionists, and numerous fitness experts. We'll review the latest scientific research to understand how being healthy is good for your body and mind. You'll start by adding a small amount of simple

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activity to your day--no trips to the gym needed. You'll learn how to mitigate back pain, carpal tunnel syndrome, headaches, and many other common sources of pain. You'll also learn how to refactor your diet to properly fuel your body without gaining weight or feeling hungry. Then, you'll turn the exercises and activities into pragmatic workout methodology that doesn't interfere with the demands of your job and may actually improve your cognitive skills. You'll also learn the secrets of prominent figures in the software community who turned their health around by making and exercise changes. Throughout, you'll track your progress with a "companion iPhone app". Finally, you'll learn how to make your healthy lifestyle pragmatic, attainable, and fun. If you're going to live well, you should enjoy it. Disclaimer This book is intended only as an informative guide for those wishing to know more about

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health issues. In no way is this book intended to replace, countermand, or conflict with the advice given to you by your healthcare provider including Physician, Nurse Practitioner, Physician Assistant, Registered Dietician, and other licensed professionals. Keep in mind that results vary from person to person. This book is not intended as a substitute for medical or nutritional advice from a healthcare provider or dietician. Some people have medical history and/or condition and/or nutritional requirements that warrant individualized recommendations and, in some cases, medications and healthcare surveillance. Do not start, stop, or change medication and dietary recommendations without professional medical and/or Registered Dietician advice. A healthcare provider should be consulted if you are on medication if there are any symptoms that may require diagnosis or medication.

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with the use of this book.

Math for Programmers

OCA Java SE 8 Programmer I Certification Guide

USB Complete

The IoT Hacker's Handbook

A Practical Guide to Hacking the Internet of Things

An Introduction to the Archaeology of Central California

COMPUTER HARDWARE

Welcome to the world of PyQGIS, the
blending of QGIS and Python to extend
and enhance your open source GIS
toolbox. With PyQGIS you can write
scripts and plugins to implement new

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features and perform automated tasks.

This book covers version 3.0 of the QGIS application programming interface (API), featuring Python 3.

This Grammar shows, step by step, how the language is constructed. It presents a lively and accessible description of the language using plenty of relevant examples. This is the ideal first grammar for the Dutch learner.

Get started with FPGA programming using

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SystemVerilog, and develop real-world skills by building projects, including a calculator and a keyboard Key FeaturesExplore different FPGA usage methods and the FPGA tool flowLearn how to design, test, and implement hardware circuits using SystemVerilogBuild real-world FPGA projects such as a calculator and a keyboard using FPGA resourcesBook Description Field Programmable Gate Arrays (FPGAs) have now become a core part of most modern

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electronic and computer systems. However, to implement your ideas in the real world, you need to get your head around the FPGA architecture, its toolset, and critical design considerations. FPGA Programming for Beginners will help you bring your ideas to life by guiding you through the entire process of programming FPGAs and designing hardware circuits using SystemVerilog. The book will introduce you to the FPGA and Xilinx

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architectures and show you how to work on your first project, which includes toggling an LED. You'll then cover SystemVerilog RTL designs and their implementations. Next, you'll get to grips with using the combinational Boolean logic design and work on several projects, such as creating a calculator and updating it using FPGA resources. Later, the book will take you through the advanced concepts of AXI and show you how to create a

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keyboard using PS/2. Finally, you'll be able to consolidate all the projects in the book to create a unified output using a Video Graphics Array (VGA) controller that you'll design. By the end of this SystemVerilog FPGA book, you'll have learned how to work with FPGA systems and be able to design hardware circuits and boards using SystemVerilog programming. What you will learn

Understand the FPGA architecture and its implementation

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to grips with writing SystemVerilog
RTLMake FPGA projects using
SystemVerilog programmingWork with
computer math basics, parallelism, and
pipeliningExplore the advanced topics
of AXI and keyboard interfacing with
PS/2Discover how you can implement a
VGA interface in your projectsWho this
book is for This FPGA design book is
for embedded system developers,
engineers, and programmers who want to
learn FPGA and SystemVerilog

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programming from scratch. FPGA designers looking to gain hands-on experience in working on real-world projects will also find this book useful.

Computer Hardware: Installation, Interfacing, Troubleshooting and Maintenance is a comprehensive and well-organised book that provides sufficient guidelines and proper directions for assembling and upgrading the computer systems, interfacing the computers with

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peripheral devices as well as for installing the new devices. Apart from this, the book also covers various preventive and corrective steps required for the regular maintenance of computer system as well as the steps that are to be followed for troubleshooting. The text highlights different specification parameters associated with the computer and its peripherals. Also, an understanding of the technical jargon is conveyed by

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this book. Special coverage of laptops, printers and scanners makes this book highly modernised. The book is designed with a practice-oriented approach supported with sufficient photographs and it covers even the minute aspects of the concepts. Following a simple and engaging style, this book is designed for the undergraduate students of Computer Science and Computer Maintenance. In addition to this, the book is also very useful for the

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students pursuing Diploma courses in Computer Engineering, Hardware and Troubleshooting as well as for the students of Postgraduate Diploma in Hardware Technology and Application.

Key Features

- Quick and easy approach to learn the theoretical concepts and practical skills related with the computer hardware.
- Comprehensive with enough illustrations to facilitate an easy understanding.
- Detailed solutions provided by the experts for

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certain common problems to make better interaction with the learner. • An exclusive section Common Problems and Solutions to help in self resolving the general hardware related issues.

FPGA Programming for Beginners

Don't Touch-CC

First 50 Articles

Advances in Authentication

16th International Conference, CARDIS
2017, Lugano, Switzerland, November
13–15, 2017, Revised Selected Papers

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Exploring Arduino Hound Bee!

Book #24 in the epic bestselling Underworld Series from New York Times bestselling author, HP Mallory. When Emma finds herself face to face with her father, a man she hasn't seen since she was a girl, she'll find her emotions all over the place. But when Emma realizes her father isn't alone and that the Unseelie Fae, Black Annis, is by his side, she realizes things are about to go from bad to worse. Meanwhile, Rowan is stuck at Kinloch Kirk where Nyx is busily trying to open a portal to Faery so Mathilda can be saved from certain death. Making the process even more difficult is the fact that everyone at Kinloch Kirk is under attack by the Vryloka. But,

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what Rowan isn't betting on is the arrival of the two people she never thought she'd see together again. Bryn and Sinjin return to Kinloch Kirk to find it under attack by the Vryloka. It's an all-out war between the creatures of the sky and Laucian, Nyx, O'Rourke, and the others-each seeking to keep Rowan safe. And when Sinjin finds himself reunited with his daughter, it will be the most touching of moments. With Morse by her side, Jolie decides to face the truth in what's become of Rand. After being told countless horror stories from Bryn, Jolie decides the time has come to find out what's true and what's an exaggeration. However, when she finds herself face to face with Rand, she's confused because it seems as though... he doesn't see her? But how can that be possible? Find out in the next episode of The Underworld Series!

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Due to the complexity of power systems combined with other factors such as increasing susceptibility of equipment, power quality (PQ) is apt to waver. With electricity in growing demand, low PQ is on the rise and becoming notoriously difficult to remedy. It is an issue that confronts professionals on a daily basis, but few have the required knowledge to diagnose and solve these problems. Handbook of Power Quality examines of the full panorama of PQ disturbances, with background theory and guidelines on measurement procedures and problem solving. It uses the perspectives of both power suppliers and electricity users, with contributions from experts in all aspects of PQ supplying a vital balance of scientific and practical information on the following: frequency variations; the characteristics of voltage, including dips,

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fluctuations and flicker; the continuity and reliability of electricity supply, its structure, appliances and equipment; the relationship of PQ with power systems, distributed generation, and the electricity market; the monitoring and cost of poor PQ; rational use of energy. An accompanying website hosts case studies for each chapter, demonstrating PQ practice; how problems are identified, analysed and resolved. The website also includes extensive appendices listing the current standards, mathematical formulas, and principles of electrical circuits that are critical for the optimization of solutions. This comprehensive handbook explains PQ methodology with a hands-on approach that makes it essential for all practising power systems engineers and researchers. It simultaneously acts as a reference for electrical engineers and technical

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managers who meet with power quality issues and would like to further their knowledge in this area.

175 fast, easy, and delicious meals combining the hottest diet trend—the low-carb, high-fat keto diet—with the latest must-have kitchen appliance—the air fryer. While an appliance that promises a lower-fat cooking method like the air fryer may seem counterintuitive to the high-fat keto diet, you'll be pleasantly surprised to learn that air fryers don't remove fat from foods. Instead, they use the natural fats in the foods to cook them without adding additional fat or oil that comes from traditional frying methods. An air fryer offers a healthy cooking option for keto dieters and is the perfect tool to cook a wide range of keto-friendly foods from steak to tofu, bacon to vegetables, and even desserts. The I Love My Air Fryer

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Keto Diet Cookbook will introduce you to 175 tasty and easy keto meals you can make with your air fryer. Learn how to make satisfying, whole-food dishes for every meal from breakfast to dinner, appetizers, to side dishes and desserts, and of course, great snacks. With this guide, you'll discover how perfectly the air-fryer fits into your keto diet!

The Gameduino 2 turns your Arduino into a hand-held modern gaming system. Touch control, a 3-axis accelerometer, microSD storage for game assets, headphone audio output, and all-new eye-popping graphics on its bright 4.3 inch screen. This comprehensive guide to Gameduino 2 explains how to use the hardware's powerful features to create interactive graphical games.

How Great Designers Create Successful Products

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Generation Code: I'm a Python Programmer

The "I Love My Air Fryer" Keto Diet Recipe Book

The Making of Burning for Buddy

Understanding the Internet of Things

Embedded SoPC Design with Nios II Processor and Verilog
Examples

Installation, Interfacing, Troubleshooting and Maintenance

"Make-up and colors are not tools meant to make an ugly thing beautiful, they are meant only to magnify the beauty that already exists." Semua warna indah. Dalam dunia fashion dan kecantikan, warna menjadi rahasia dari setiap tampilan yang sempurna. Yang perlu Anda pahami hanyalah penerapannya. Beberapa orang pantas

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mengenakan warna-warna manyala. Beberapa lagi lebih cocok mengenakan warna lembut dan redup. Buku ini sengaja dibuat untuk membangkitkan kesadaran bahwa warna yang tepat akan mampu mempercantik wajah dan meningkatkan rasa percaya diri, khususnya dalam hal busana dan tata rias. Dengan menguasai ilmu tentang warna dan karakter diri, Anda akan lebih mudah memilih warna dan mengekspresikannya melalui penampilan sehari-hari untuk menghadirkan kecantikan terbaik. Berbagai tips disajikan untuk mempermudah Anda, dimulai dari perencanaan warna dasar riasan berdasarkan karakter energi personal, memadukan dan memahami karakter warna, hingga cara membaurkan

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warna untuk menciptakan kesatuan yang indah. Yuk, luangkan waktu untuk mempelajari warna, karena warna bisa membuat wajah terlihat semakin segar dan menarik. Explores the unique hardware programmability of FPGA-based embedded systems, using a learn-by-doing approach to introduce the concepts and techniques for embedded SoPC design with Verilog An SoPC (system on a programmable chip) integrates a processor, memory modules, I/O peripherals, and custom hardware accelerators into a single FPGA (field-programmable gate array) device. In addition to the customized software, customized hardware can be developed and incorporated into the embedded system as

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well—allowing us to configure the soft-core processor, create tailored I/O interfaces, and develop specialized hardware accelerators for computation-intensive tasks. Utilizing an Altera FPGA prototyping board and its Nios II soft-core processor, *Embedded SoPC Design with Nios II Processor and Verilog Examples* takes a "learn by doing" approach to illustrate the hardware and software design and development process by including realistic projects that can be implemented and tested on the board. Emphasizing hardware design and integration throughout, the book is divided into four major parts: Part I covers HDL and synthesis of custom hardware Part II introduces the Nios II processor and provides an

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overview of embedded software development Part III demonstrates the design and development of hardware and software of several complex I/O peripherals, including a PS2 keyboard and mouse, a graphic video controller, an audio codec, and an SD (secure digital) card Part IV provides several case studies of the integration of hardware accelerators, including a custom GCD (greatest common divisor) circuit, a Mandelbrot set fractal circuit, and an audio synthesizer based on DDFS (direct digital frequency synthesis) methodology While designing and developing an embedded SoPC can be rewarding, the learning can be a long and winding journey. This book shows the trail ahead and guides

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readers through the initial steps to exploit the full potential of this emerging methodology.

The information technology revolution has significantly changed the way in which people interact with the world. Among other things, it has allowed us to access information about almost anything instantaneously and has given us the ability to easily purchase goods without leaving our homes. The Internet of Things is the next step of this revolution and will further transform the world by allowing us to connect our many “things” to the Internet. It will allow our smart cars to drive themselves and our smart refrigerators to automatically order food for us. However, making the world smarter will lead to

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greater security and privacy challenges. Smarter World, Bigger Threats explains what the Internet of Things is by providing an overview of its history, development, and technical structure. It is estimated that billions of devices will be connected to the Internet in the coming years. Additionally, these devices will have access to financial or other personal information of its users. This will lead to many technological, security, and privacy challenges. Smarter World, Bigger Threats highlights these challenges and provides possible solutions. Horizontally split pages permit the reader to mix and match images to create funny situations.

133 Gadgets, 8 Categories

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Everyday Indulgences

COBOL Programmers Swing with Java

AVR Programming

Extending QGIS 3 with Python 3

Designing Products People Love

The Exorcist Tradition in Islam

Bitcoin humor and insight from the digital currency's creator
also includes a treasure hunt.

An up-to-date guide to an overview of authentication in the
Internet of Things (IoT) The Internet of things (IoT) is the
network of the countless physical devices that have the
possibility to connect and exchange data. Among the various
security requirements, authentication to the IoT is the first step

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to prevent the impact of attackers. IoT Security offers an important guide into the development of the many authentication mechanisms that provide IoT authentication at various levels such as user level, device level and network level. The book covers a wide range of topics including an overview of IoT and addresses in detail the security challenges at every layer by considering both the technologies and the architecture used. The authors—*noted experts on the topic*—provide solutions for remediation of compromised security, as well as methods for risk mitigation, and offer suggestions for prevention and improvement. In addition, IoT Security offers a variety of illustrative use cases. This important book: Offers an authoritative reference designed for use by all IoT stakeholders Includes information for securing devices at

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the user, device, and network levels Contains a classification of existing vulnerabilities Written by an international group of experts on the topic Provides a guide to the most current information available on IoT security Written for network operators, cloud operators, IoT device manufacturers, IoT device users, wireless users, IoT standardization organizations, and security solution developers, IoT Security is an essential guide that contains information on security features, including underlying networks, architectures, and security requirements.

Provides problem-solving techniques to help improve puzzle-solving skills.

Take a practitioner's approach in analyzing the Internet of Things (IoT) devices and the security issues facing an IoT

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architecture. You'll review the architecture's central components, from hardware communication interfaces, such as UART and SPI, to radio protocols, such as BLE or ZigBee. You'll also learn to assess a device physically by opening it, looking at the PCB, and identifying the chipsets and interfaces. You'll then use that information to gain entry to the device or to perform other actions, such as dumping encryption keys and firmware. As the IoT rises to one of the most popular tech trends, manufacturers need to take necessary steps to secure devices and protect them from attackers. The IoT Hacker's Handbook breaks down the Internet of Things, exploits it, and reveals how these devices can be built securely. What You'll Learn

Perform a threat model of a real-world IoT device and locate all possible attacker entry points Use reverse

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engineering of firmware binaries to identify security issues
Analyze, assess, and identify security issues in exploited ARM
and MIPS based binaries Sniff, capture, and exploit radio
communication protocols, such as Bluetooth Low Energy
(BLE), and ZigBee Who This Book is For Those interested in
learning about IoT security, such as pentesters working in
different domains, embedded device developers, or IT people
wanting to move to an Internet of Things security role.

Puzzles for Programmers and Pros

Avr Programming

Color Coded

Make

The Hacker's Hardware Toolkit

A Paranormal Mystery Romance

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A Novel

A handy and compact guide to the ROM BIOS services of IBM PC, PC/AT, and PS/2 machines that is perfect for every assembly-language C programmer at any level of experience.

This book constitutes the thoroughly refereed post-conference proceedings of the 16th International Conference on Smart Card Research and Advanced Applications, CARDIS 2017, held in Lugano, Switzerland, in November 2017. The 14 revised full papers presented together with 2 abstracts of invited talks in this book were carefully reviewed and selected from 48 submissions. CARDIS has provided a space

for security experts from industry and academia to exchange on security of smart cards and related applications.

Computing: general.

Flowers are beautiful and fragrant, and they're also a key stage in a plant's life cycle. This age-appropriate text introduces readers to the basic anatomy of a flower, which is supported by highly detailed color photographs. Readers will understand fundamental life science concepts, such as the relationship between flowers and pollinators and how flowers play a role in producing the next generation of plants. This text offers a fun-yet-educational take on

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***important classroom concepts, which is sure to
get readers excited to learn about plants.***

***Bring your ideas to life by creating hardware
designs and electronic circuits with***

SystemVerilog

***3D graphics, machine learning, and simulations
with Python***

The Official Bitcoin Coloring Book

Gameduino 2: Tutorial, Reference, Cookbook

Smarter World, Bigger Threats

Tools and Techniques for Engineering Wizardry

Get Fit, Feel Better, and Keep Coding

A classic thriller with Goddard's trademark plot

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twists. In Antwerp in 1939, a Jewish diamond trader flees Nazi Europe, leaving his priceless collection of Picasso paintings and diamonds with a friend who takes them to London. The boat he flees on sinks, leaving no survivors. Fast forward to 1976 when his penniless family tries to track down the missing paintings. A classic thriller with Goddard's trademark plot twists.

Atmel's AVR microcontrollers are the chips that power Arduino, and are the go-to chip for many hobbyist and hardware hacking projects. In this book you'll set aside the layers of abstraction provided by

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the Arduino environment and learn how to program AVR microcontrollers directly. In doing so, you'll get closer to the chip and you'll be able to squeeze more power and features out of it. Each chapter of this book is centered around projects that incorporate that particular microcontroller topic. Each project includes schematics, code, and illustrations of a working project. Program a range of AVR chips
Extend and re-use other people ' s code and circuits
Interface with USB, I2C, and SPI peripheral devices
Learn to access the full range of power and speed of the microcontroller Build projects including Cylon

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Eyes, a Square-Wave Organ, an AM Radio, a Passive Light-Sensor Alarm, Temperature Logger, and more Understand what's happening behind the scenes even when using the Arduino IDE

In the fast moving world of information technology, Java is now the number 1 programming language. Programmers and developers everywhere need to know Java to keep pace with traditional and web-based application development. COBOL

Programmers Swing with Java provides COBOL programmers a clear, easy transition to Java programming by drawing on the numerous

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similarities between COBOL and Java. The authors introduce the COBOL programmer to the history of Java and object-oriented programming and then dive into the details of the Java syntax, always contrasting them with their parallels in COBOL. A running case study gives the reader an overall view of application development with Java, with increased functionality as new material is presented. This new edition features the development of graphical user interfaces (GUI's) using the latest in Java Swing components. The clear writing style and excellent examples make the book suitable for anyone

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wanting to learn Java and OO programming,
whether they have a background in COBOL or not.
This book contains 50 articles of Digital Headend
Industry. Headned INFO's "First 50 Articles" is
package of Digital Headend Industry.for more
information this book visit [http:](http://www.headendinfo.com/headend-info-books/Topics)

[//www.headendinfo.com/headend-info-books/Topics](http://www.headendinfo.com/headend-info-books/Topics)
covered in this book are listed below, What Is Digital
Headend Or Cable TV Headend 1*IP Headend
Architecture And Working 12*PSI SI Tables For DVB
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Program Guide For Digital Headend

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