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Facebook Nation

Total Information Awareness

Springer Nature This book explores total information awareness empowered by social media. At the FBI Citizens Academy in February 2021, I asked the FBI about the January 6 Capitol riot organized on social media that led to the unprecedented ban of a sitting U.S. President by all major social networks. In March 2021, Facebook CEO Mark Zuckerberg, Google CEO Sundar Pichai, and Twitter CEO Jack Dorsey appeared before Congress to face criticism about their handling of misinformation and online extremism that culminated in the storming of Capitol Hill. With more than three billion monthly active users, Facebook family of apps is by far the world's largest social network. Facebook as a nation is bigger than the top three most populous countries in the world: China, India, and the United States. Social media has enabled its users to inform and misinform the public, to appease and disrupt Wall Street, to mitigate and exacerbate the COVID-19 pandemic, and to unite and divide a country. Mark Zuckerberg once said, "We exist at the intersection of technology and social issues." He should have heeded his own words. In October 2021, former Facebook manager-turned-whistleblower Frances Haugen testified at the U.S. Senate that Facebook's products "harm children, stoke division, and weaken our democracy." This book offers discourse and practical advice on information

and misinformation, cybersecurity and privacy issues, cryptocurrency and business intelligence, social media marketing and caveats, e-government and e-activism, as well as the pros and cons of total information awareness including the Edward Snowden leaks. "Highly recommended." - T. D. Richardson, Choice Magazine "A great book for social media experts." - Will M., AdWeek "Parents in particular would be well advised to make this book compulsory reading for their teenage children..." - David B. Henderson, ACM Computing Reviews.

Hacking: The Next Generation

The Next Generation

"O'Reilly Media, Inc." With the advent of rich Internet applications, the explosion of social media, and the increased use of powerful cloud computing infrastructures, a new generation of attackers has added cunning new techniques to its arsenal. For anyone involved in defending an application or a network of systems, Hacking: The Next Generation is one of the few books to identify a variety of emerging attack vectors. You'll not only find valuable information on new hacks that attempt to exploit technical flaws, you'll also learn how attackers take advantage of individuals via social networking sites, and abuse vulnerabilities in wireless technologies and cloud infrastructures. Written by seasoned Internet security professionals, this book helps you understand the motives and psychology of hackers behind these attacks, enabling you to better prepare and defend against them. Learn how "inside out" techniques can poke holes into protected networks Understand the new wave of "blended threats" that take advantage of multiple application vulnerabilities to steal corporate data Recognize weaknesses in today's powerful cloud infrastructures and how they can be exploited Prevent attacks against the mobile workforce and their devices containing valuable data Be aware of attacks via social networking sites to obtain confidential information from executives and their assistants Get case studies that show how several layers of vulnerabilities can be used to compromise multinational corporations

CEH Certified Ethical Hacker Study Guide

Sybex Full Coverage of All Exam Objectives for the CEH Exams 312-50 and EC0-350 Thoroughly prepare for the challenging CEH Certified Ethical Hackers exam with this comprehensive study guide. The book provides full coverage of exam topics, real-world examples, and includes a CD with chapter review questions, two full-length practice exams, electronic

flashcards, a glossary of key terms, and the entire book in a searchable pdf e-book. What's Inside: Covers ethics and legal issues, footprinting, scanning, enumeration, system hacking, trojans and backdoors, sniffers, denial of service, social engineering, session hijacking, hacking Web servers, Web application vulnerabilities, and more Walks you through exam topics and includes plenty of real-world scenarios to help reinforce concepts Includes a CD with an assessment test, review questions, practice exams, electronic flashcards, and the entire book in a searchable pdf

Cyber Safety for Everyone 2nd Edition

Understand the Interplay between the Internet and one’s Social and Mental Well-Being (English Edition)

BPB Publications Techniques and Effective tips to get protected from Cyber Criminals KEY FEATURES ● Learn to file a Cybercrime complaint. ● Discover the New IT Rules 2021. ● Understand the Artificial Intelligence (AI) in Cyber security. ● Know how our online lives and real-world lives closely intertwined, each affecting the other. ● Tips for protection of very young kids (5yr-8 yr), when online. ● Identifying and keeping potential online predators and pedophiles at a distance. DESCRIPTION Book is a step-by-step guide that handholds you through all the essential aspects of internet safety. The content is presented in a simple and easy-to-understand manner. True incidents, practical tips, survey results, conversation starters and teaching ideas given in the book, make the reading experience truly enriching. As per a recent survey amongst our volunteers, 94% said they were more vigilant and discerning towards misinformation primarily due to online safety they’d learned at Jaago Teens. They also felt that 70% of people were likely influenced by fake news during the Covid-19 pandemic. At the end of a Jaago Teens workshop, a teacher conceded. “Both, my daughter and I post a lot of pictures online. But, now I realize doing so can have dangerous consequences.” After a Corporate Jaago Teens Internet Safety workshop, a young 27-year old said, “Today we listened to many different aspects of Internet Safety. I think this was like a mock drill. If a situation arises where we need to apply what we have learned today, we will be able to do so!” WHAT YOU WILL LEARN ● Awareness of the IT Rules 2021. ● Concept of plagiarism and copyright violation. ● To modify the privacy settings on the social media platform, to ensure one’s safety. WHO THIS BOOK IS FOR Children’s online life is different from those of grown-

ups, if their online safety is a constant worry this book is a great resource to use. It tells you the kind of trouble children can get into when they are online, and suggests simple yet effective ways to deal with such situations. This book is a must-read for every parent, teacher or child who wants to avoid the temptations and perils of cyberspace. TABLE OF CONTENTS 1. An Introduction to Internet Safety 2. Real World and the Virtual World 3. Basic Do's and Don'ts 4. Parental Control Options 5. Online Gaming 6. Recognizing Cyberbullying and Dealing with It 7. Privacy of Personal Information 8. Online Predators 9. Smartphone Safety, Your Phone Isn't Smart, But You Are! 10. Modes of Digital Payments and Safe Online Payments 11. Reporting Cybercrime and Laws that protect against Online Harassment 12. Online Plagiarism 13. Privacy Settings for Various Online Platforms 14. A Downloadable JaagoTeens Presentation 15. Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules 2021 16. Artificial Intelligence (AI) keeps you safe in the Real World and the Online World

The Art of Invisibility

The World's Most Famous Hacker Teaches You How to Be Safe in the Age of Big Brother and Big Data

Back Bay Books Real-world advice on how to be invisible online from "the FBI's most-wanted hacker" (Wired) Your every step online is being tracked and stored, and your identity easily stolen. Big companies and big governments want to know and exploit what you do, and privacy is a luxury few can afford or understand. In this explosive yet practical book, computer-security expert Kevin Mitnick uses true-life stories to show exactly what is happening without your knowledge, and teaches you "the art of invisibility": online and everyday tactics to protect you and your family, using easy step-by-step instructions. Reading this book, you will learn everything from password protection and smart Wi-Fi usage to advanced techniques designed to maximize your anonymity. Invisibility isn't just for superheroes--privacy is a power you deserve and need in the age of Big Brother and Big Data.

Hacking Multifactor Authentication

John Wiley & Sons Protect your organization from scandalously easy-to-hack MFA security "solutions" Multi-Factor Authentication (MFA) is spreading like wildfire across digital environments. However, hundreds of millions of dollars have been stolen from MFA-protected online accounts.

How? Most people who use multifactor authentication (MFA) have been told that it is far less hackable than other types of authentication, or even that it is unhackable. You might be shocked to learn that all MFA solutions are actually easy to hack. That’s right: there is no perfectly safe MFA solution. In fact, most can be hacked at least five different ways. Hacking Multifactor Authentication will show you how MFA works behind the scenes and how poorly linked multi-step authentication steps allows MFA to be hacked and compromised. This book covers over two dozen ways that various MFA solutions can be hacked, including the methods (and defenses) common to all MFA solutions. You’ll learn about the various types of MFA solutions, their strengthens and weaknesses, and how to pick the best, most defensible MFA solution for your (or your customers') needs. Finally, this book reveals a simple method for quickly evaluating your existing MFA solutions. If using or developing a secure MFA solution is important to you, you need this book. Learn how different types of multifactor authentication work behind the scenes See how easy it is to hack MFA security solutions—no matter how secure they seem Identify the strengths and weaknesses in your (or your customers’) existing MFA security and how to mitigate Author Roger Grimes is an internationally known security expert whose work on hacking MFA has generated significant buzz in the security world. Read this book to learn what decisions and preparations your organization needs to take to prevent losses from MFA hacking.

Data for the People

How to Make Our Post-Privacy Economy Work for You

Basic Books A long-time chief data scientist at Amazon shows how open data can make everyone, not just corporations, richer Every time we Google something, Facebook someone, Uber somewhere, or even just turn on a light, we create data that businesses collect and use to make decisions about us. In many ways this has improved our lives, yet, we as individuals do not benefit from this wealth of data as much as we could. Moreover, whether it is a bank evaluating our credit worthiness, an insurance company determining our risk level, or a potential employer deciding whether we get a job, it is likely that this data will be used against us rather than for us. In Data for the People, Andreas Weigend draws on his years as a consultant for commerce, education, healthcare, travel and finance companies to outline how Big Data can work better for all of us. As of today, how much we benefit from Big Data depends on how closely the interests of big companies align with our own. Too often, outdated standards of control and privacy force us into unfair contracts

with data companies, but it doesn't have to be this way. Weigend makes a powerful argument that we need to take control of how our data is used to actually make it work for us. Only then can we the people get back more from Big Data than we give it. Big Data is here to stay. Now is the time to find out how we can be empowered by it.

Sailing Safe in Cyberspace

Protect Your Identity and Data

SAGE Publishing India Sailing Safe in Cyberspace is an excellent resource on safe computing. It gives in-depth exposure to the various ways in which security of information might be compromised, how cybercrime markets work and measures that can be taken to ensure safety at individual and organizational levels. Cyber security is not just a technical subject that can be resolved like any other IT-related problem—it is a 'risk' that can be mitigated by creating awareness and getting the right combination of technology and practices based on careful analysis. This book combines insights on cybersecurity from academic research, media reports, vendor reports, practical consultation and research experience. The first section of the book discusses motivation and types of cybercrimes that can take place. The second lists the major types of threats that users might encounter. The third discusses the impact, trend and role of the government in combating cybercrime. The fourth section of the book tells the readers about ways to protect themselves and secure their data/information stored in computers and the cyberspace. It concludes by offering suggestions for building a secure cyber environment.

Hacking Gender and Technology in Journalism

Routledge Hacking Gender and Technology in Journalism addresses the question of whether journalism's new digital spaces suffer from the same gendered structures as traditional media organisations, or whether they go beyond such bias. This book offers insights into the challenges that women journalists face in relation to technological innovation, as well as the potential for developing strategies for empowerment that it offers. More specifically, there is a focus on the gendering of digital skills, the construction of gender in new digital spheres of journalism, and how these changes can lead to the disruption of gender inequalities in journalism. This book will be of interest to scholars in multimedia journalism, media ethics, and gender studies.

Hacking For Dummies

John Wiley & Sons Stop hackers before they hack you! In order to outsmart a would-be hacker, you need to get into the hacker’s mindset. And with this book, thinking like a bad guy has never been easier. In Hacking For Dummies, expert author Kevin Beaver shares his knowledge on penetration testing, vulnerability assessments, security best practices, and every aspect of ethical hacking that is essential in order to stop a hacker in their tracks. Whether you’re worried about your laptop, smartphone, or desktop computer being compromised, this no-nonsense book helps you learn how to recognize the vulnerabilities in your systems so you can safeguard them more diligently—with confidence and ease. Get up to speed on Windows 10 hacks Learn about the latest mobile computing hacks Get free testing tools Find out about new system updates and improvements There’s no such thing as being too safe—and this resourceful guide helps ensure you’re protected.

Hacking the Hacker

Learn From the Experts Who Take Down Hackers

John Wiley & Sons Meet the world's top ethical hackers and explore the tools of the trade Hacking the Hacker takes you inside the world of cybersecurity to show you what goes on behind the scenes, and introduces you to the men and women on the front lines of this technological arms race. Twenty-six of the world's top white hat hackers, security researchers, writers, and leaders, describe what they do and why, with each profile preceded by a no-experience-necessary explanation of the relevant technology. Dorothy Denning discusses advanced persistent threats, Martin Hellman describes how he helped invent public key encryption, Bill Cheswick talks about firewalls, Dr. Charlie Miller talks about hacking cars, and other cybersecurity experts from around the world detail the threats, their defenses, and the tools and techniques they use to thwart the most advanced criminals history has ever seen. Light on jargon and heavy on intrigue, this book is designed to be an introduction to the field; final chapters include a guide for parents of young hackers, as well as the Code of Ethical Hacking to help you start your own journey to the top. Cybersecurity is becoming increasingly critical at all levels, from retail businesses all the way up to national security. This book drives to the heart of the field, introducing the people and practices that help keep our world secure. Go deep into the world of white hat hacking to grasp just how critical cybersecurity is Read the stories of some of the world's most

renowned computer security experts Learn how hackers do what they do—no technical expertise necessary Delve into social engineering, cryptography, penetration testing, network attacks, and more As a field, cybersecurity is large and multi-faceted—yet not historically diverse. With a massive demand for qualified professional that is only going to grow, opportunities are endless. Hacking the Hacker shows you why you should give the field a closer look.

Penetration Testing

A Hands-On Introduction to Hacking

No Starch Press Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security experts worldwide use penetration techniques to evaluate enterprise defenses. In Penetration Testing, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine–based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining access to systems, post exploitation, and more. Learn how to: –Crack passwords and wireless network keys with brute-forcing and wordlists –Test web applications for vulnerabilities –Use the Metasploit Framework to launch exploits and write your own Metasploit modules –Automate social-engineering attacks –Bypass antivirus software –Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that cover key tools and strategies, Penetration Testing is the introduction that every aspiring hacker needs.

Child Protection and Safeguarding Technologies

Appropriate or Excessive 'Solutions'

to Social Problems?

Routledge This book explores, through a children's rights-based perspective, the emergence of a safeguarding dystopia in child online protection that has emerged from a tension between an over-reliance in technical solutions and a lack of understanding around code and algorithm capabilities. The text argues that a safeguarding dystopia results in docile children, rather than safe ones, and that we should stop seeing technology as the sole solution to online safeguarding. The reader will, through reading this book, gain a deeper understanding of the current policy arena in online safeguarding, what causes children to beocme upset online, and the doomed nature of safeguarding solutions. The book also features a detailed analysis of issues surrounding content filtering, access monitoring, surveillance, image recognition, and tracking. This book is aimed at legal practitioners, law students, and those interested in child safeguarding and technology.

Information Security Applications

14th International Workshop, WISA 2013, Jeju Island, Korea, August 19-21, 2013, Revised Selected Papers

Springer This book constitutes the thoroughly refereed proceedings of the 14th International Workshop on Information Security Applications, WISA 2013, held on Jeju Island, Korea, in August 2013. The 15 revised full papers and 2 short papers presented were carefully reviewed and selected from 39 submissions. The papers are organized in topical sections such as cryptography, social network security, mobile security, network security, future applications and privacy.

Hacker, Hoaxer, Whistleblower, Spy

The Many Faces of Anonymous

Verso Books Here is the ultimate book on the worldwide movement of hackers, pranksters, and activists that operates under the non-name Anonymous, by the writer the Huffington Post says "knows all of Anonymous' deepest, darkest secrets." Half a dozen years ago,

anthropologist Gabriella Coleman set out to study the rise of this global phenomenon just as some of its members were turning to political protest and dangerous disruption (before Anonymous shot to fame as a key player in the battles over WikiLeaks, the Arab Spring, and Occupy Wall Street). She ended up becoming so closely connected to Anonymous that the tricky story of her inside–outside status as Anon confidante, interpreter, and erstwhile mouthpiece forms one of the themes of this witty and entirely engrossing book. The narrative brims with details unearthed from within a notoriously mysterious subculture, whose semi-legendary tricksters—such as Topiary, tflow, Anachaos, and Sabu—emerge as complex, diverse, politically and culturally sophisticated people. Propelled by years of chats and encounters with a multitude of hackers, including imprisoned activist Jeremy Hammond and the double agent who helped put him away, Hector Monsegur, Hacker, Hoaxer, Whistleblower, Spy is filled with insights into the meaning of digital activism and little understood facets of culture in the Internet age, including the history of "trolling," the ethics and metaphysics of hacking, and the origins and manifold meanings of "the lulz."

Ethical Hacking

University of Ottawa Press How will governments and courts protect civil liberties in this new era of hacktivism? Ethical Hacking discusses the attendant moral and legal issues. The first part of the 21st century will likely go down in history as the era when ethical hackers opened governments and the line of transparency moved by force. One need only read the motto "we open governments" on the Twitter page for Wikileaks to gain a sense of the sea change that has occurred. Ethical hacking is the non-violent use of a technology in pursuit of a cause—political or otherwise—which is often legally and morally ambiguous. Hacktivists believe in two general but spirited principles: respect for human rights and fundamental freedoms, including freedom of expression and personal privacy; and the responsibility of government to be open, transparent and fully accountable to the public. How courts and governments will deal with hacking attempts which operate in a grey zone of the law and where different ethical views collide remains to be seen. What is undisputed is that Ethical Hacking presents a fundamental discussion of key societal questions. A fundamental discussion of key societal questions. This book is published in English. - La première moitié du XXIe siècle sera sans doute reconnue comme l'époque où le piratage éthique a ouvert de force les gouvernements, déplaçant les limites de la transparence. La page twitter de Wikileaks enchâsse cet ethos à même sa devise, « we open governments », et sa volonté d'être omniprésent. En parallèle, les grandes sociétés de technologie comme Apple se font compétition pour produire des produits de plus en plus sécuritaires et à protéger les données de leurs clients, alors même que les gouvernements tentent de limiter et de

décrypter ces nouvelles technologies d'encryption. Entre-temps, le marché des vulnérabilités en matière de sécurité augmente à mesure que les experts en sécurité informatique vendent des vulnérabilités de logiciels des grandes technologies, dont Apple et Google, contre des sommes allant de 10 000 à 1,5 million de dollars. L'activisme en sécurité est à la hausse. Le piratage éthique est l'utilisation non-violence d'une technologie quelconque en soutien d'une cause politique ou autre qui est souvent ambigue d'un point de vue juridique et moral. Le hacking éthique peut désigner les actes de vérification de pénétration professionnelle ou d'experts en sécurité informatique, de même que d'autres formes d'actions émergentes, comme l'hacktivisme et la désobéissance civile en ligne. L'hacktivisme est une forme de piratage éthique, mais également une forme de militantisme des droits civils à l'ère numérique. En principe, les adeptes du hacktivisme croient en deux grands principes : le respect des droits de la personne et les libertés fondamentales, y compris la liberté d'expression et à la vie privée, et la responsabilité des gouvernements d'être ouverts, transparents et pleinement redevables au public. En pratique, toutefois, les antécédents comme les agendas des hacktivistes sont fort diversifiés. Il n'est pas clair de quelle façon les tribunaux et les gouvernements traiteront des tentatives de piratage eu égard aux zones grises juridiques, aux approches éthiques conflictuelles, et compte tenu du fait qu'il n'existe actuellement, dans le monde, presque aucune exception aux provisions, en matière de cybercrime et de crime informatique, liées à la recherche sur la sécurité ou l'intérêt public. Il sera également difficile de déterminer le lien entre hacktivisme et droits civils. Ce livre est publié en anglais.

Ours to Hack and to Own

The Rise of Platform Cooperativism, a New Vision for the Future of Work and a Fairer Internet

Or Books With the rollback of net neutrality, platform cooperativism becomes even more pressing: In one volume, some of the most cogent thinkers and doers on the subject of the cooptation of the Internet, and how we can resist and reverse the process.

Linux Basics for Hackers

Getting Started with Networking, Scripting, and Security in Kali

No Starch Press This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. First, you'll learn how to install Kali on a virtual machine and get an introduction to basic Linux concepts. Next, you'll tackle broader Linux topics like manipulating text, controlling file and directory permissions, and managing user environment variables. You'll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and Python. Practical tutorials and exercises throughout will reinforce and test your skills as you learn how to: - Cover your tracks by changing your network information and manipulating the rsyslog logging utility - Write a tool to scan for network connections, and connect and listen to wireless networks - Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email - Write a bash script to scan open ports for potential targets - Use and abuse services like MySQL, Apache web server, and OpenSSH - Build your own hacking tools, such as a remote video spy camera and a password cracker Hacking is complex, and there is no single way in. Why not start at the beginning with Linux Basics for Hackers?

The Private Sector and Organized Crime

Criminal Entrepreneurship, Illicit Profits, and Private Sector Security Governance

Taylor & Francis This book contributes to the literature on organized crime by providing a detailed account of the various nuances of what happens when criminal organizations misuse or penetrate legitimate businesses. It

advances the existing scholarship on attacks, infiltration, and capture of legal businesses by organized crime and sheds light on the important role the private sector can play to fight back. It considers a range of industries from bars and restaurants to labour-intensive enterprises such as construction and waste management, to sectors susceptible to illicit activities including transportation, wholesale and retail trade, and businesses controlled by fragmented legislation such as gambling. Organized criminal groups capitalize on legitimate businesses beleaguered by economic downturns, government regulations, natural disasters, societal conflict, and the COVID-19 pandemic. To survive, some private companies have even become the willing partners of criminal organizations. Thus, the relationships between licit businesses and organized crime are highly varied and can range from victimization of businesses to willing collusion and even exploitation of organized crime by the private sector – albeit with arrangements that typically allow plausible deniability. In other words, these relationships are highly diverse and create a complex reality which is the focus of the articles presented here. This book will appeal to students, academics, and policy practitioners with an interest in organized crime. It will also provide important supplementary reading for undergraduate and graduate courses on topics such as transnational security issues, transnational organized crime, international criminal justice, criminal finance, non-state actors, international affairs, comparative politics, and economics and business courses.

21st Century Prometheus

Managing CBRN Safety and Security Affected by Cutting-Edge Technologies

Springer Nature This book describes the evolving CBRN risk landscape and highlights advances in the “core” CBRN technologies, including when combined with (improvised) explosive devices (CBRNe threats). It analyses how associated technologies create new safety and security risks, challenging certain assumptions that underlie current control regimes. The book also shows how technologies can be enablers for more effective strategies to mitigate these risks. 21st-century safety and security risks emanating from chemical, biological, radiological and nuclear materials – whether resulting from natural events, accidents or malevolent use - are increasingly shaped by technologies that enable their development, production or use in ways that differ from the past. Artificial intelligence,

the use of cyberspace, the revolution in the life sciences, new manufacturing methods, new platforms and equipment for agent delivery, hypersonic weapons systems, information tools utilised in hybrid warfare – these and other technologies are reshaping the global security environment and CBRN landscape. They are leading to a growing potential for highly targeted violence, and they can lead to greater instability and vulnerability worldwide. At the same time, technology offers solutions to manage CBRN risks. Examples are faster detection, more accurate characterisation of the nature and origin of CBRN agents, new forensic investigation methods, or new medical treatments for victims of CBRN incidents. New educational concepts help to foster a culture of responsibility in science and technology and strengthen governance. New training methods help develop practical skills to manage CBRN risks more effectively. The book concludes that there is a growing need for a holistic framework towards CBRN risk mitigation. Traditional arms control mechanisms such as global, regional or bilateral treaties and export controls are still needed, as they provide a necessary legal and institutional framework. But laws and technology denial alone will not suffice, and institutional mechanisms can at times be weak. Given the pace of technological progress and the diffusion of critical knowledge, tools and materials, policymakers must accept that CBRN risks cannot be eliminated altogether. Instead, society has to learn to manage these risks and develop resilience against them. This requires a "softer", broadly based multi-stakeholder approach involving governments, industry, the research and development communities, educators, and civil society. Furthermore, educating policymakers that cutting-edge technologies may seriously affect global strategic stability could create incentives for developing a more creative and contemporary arms control strategy that fosters cooperation rather than incremental polarisation.

Introduction to Private Security

Cengage Learning This uniquely practical introduction to private security emphasizes professionalism and ethics and demonstrates how public law enforcement and private security work in tandem to solve problems and protect both individuals and businesses. INTRODUCTION TO PRIVATE SECURITY focuses on practical, real-world concepts and applications and includes detailed coverage of everything from industry background and related law to premise, retail, business, employment, and information/computer security as well as investigation, surveillance, and even homeland security. Throughout, the emphasis is on providing students with a clear sense of the numerous career opportunities available in this rapidly expanding field -- including real-world insight on how to get a job in private security, concrete information on the skills needed, and succinct overviews of day-to-day job responsibilities. Important Notice: Media content referenced within the product description or the product

text may not be available in the ebook version.

Emerging Trends in ICT Security

Chapter 25. A Quick Perspective on the Current State in Cybersecurity

Elsevier Inc. Chapters Nowadays, cybersecurity makes headlines across the media and in companies, blogs, social networks, among other places. The Internet is a wild cyberspace, an arena for commercialization, consumerism, business, and leisure, to name a few activities. Networks, populations, and nations around the world, now interconnected through the Internet, rely on it for their daily lives. But some Internet users have learned to take advantage of vulnerable systems and of Internet technologies for their own good, sending out spam, phishing, data breaches, botnets, and other threats. An underground criminal network has emerged, creating complex malware kits for several purposes. “Hacktivism” has become a popular term with many supporters worldwide, but cyberwarfare is now on the rise, gaining more and more attention from nation-states. This chapter provides a quick overview of these topics, discussing them in a timely manner, referencing key events from the past while focusing on the present day.

Coding Freedom

The Ethics and Aesthetics of Hacking

Princeton University Press Who are computer hackers? What is free software? And what does the emergence of a community dedicated to the production of free and open source software--and to hacking as a technical, aesthetic, and moral project--reveal about the values of contemporary liberalism? Exploring the rise and political significance of the free and open source software (F/OSS) movement in the United States and Europe, Coding Freedom details the ethics behind hackers' devotion to F/OSS, the social codes that guide its production, and the political struggles through which hackers question the scope and direction of copyright and patent law. In telling the story of the F/OSS movement, the book unfolds a broader narrative involving computing, the politics of access, and intellectual property. E. Gabriella Coleman tracks the ways in which hackers collaborate and examines passionate manifestos, hacker humor, free software project governance, and festive hacker conferences. Looking at

the ways that hackers sustain their productive freedom, Coleman shows that these activists, driven by a commitment to their work, reformulate key ideals including free speech, transparency, and meritocracy, and refuse restrictive intellectual protections. Coleman demonstrates how hacking, so often marginalized or misunderstood, sheds light on the continuing relevance of liberalism in online collaboration.

The Data Protection Officer

Profession, Rules, and Role

CRC Press The EU's General Data Protection Regulation created the position of corporate Data Protection Officer (DPO), who is empowered to ensure the organization is compliant with all aspects of the new data protection regime. Organizations must now appoint and designate a DPO. The specific definitions and building blocks of the data protection regime are enhanced by the new General Data Protection Regulation and therefore the DPO will be very active in passing the message and requirements of the new data protection regime throughout the organization. This book explains the roles and responsiblies of the DPO, as well as highlights the potential cost of getting data protection wrong.

On the End of Privacy

Dissolving Boundaries in a Screen-Centric World

University of Pittsburgh Press In preparation for this book, and to better understand our screen-based, digital world, Miller only accessed information online for seven years. On the End of Privacy explores how literacy is transformed by online technology that lets us instantly publish anything that we can see or hear. Miller examines the 2010 suicide of Tyler Clementi, a young college student who jumped off the George Washington Bridge after he discovered that his roommate spied on him via webcam. With access to the text messages, tweets, and chatroom posts of those directly involved in this tragedy, Miller asks: why did no one intervene to stop the spying? Searching for an answer to that question leads Miller to online porn sites, the invention of Facebook, the court-martial of Chelsea Manning, the contents of Hillary Clinton’s email server, Anthony Weiner’s sexted images, Chatroulette, and more as he maps out the changing norms governing privacy in the digital age.

Electronic Commerce 2018

A Managerial and Social Networks Perspective

Springer This new Edition of Electronic Commerce is a complete update of the leading graduate level/advanced undergraduate level textbook on the subject. Electronic commerce (EC) describes the manner in which transactions take place over electronic networks, mostly the Internet. It is the process of electronically buying and selling goods, services, and information. Certain EC applications, such as buying and selling stocks and airline tickets online, are reaching maturity, some even exceeding non-Internet trades. However, EC is not just about buying and selling; it also is about electronically communicating, collaborating, and discovering information. It is about e-learning, e-government, social networks, and much more. EC is having an impact on a significant portion of the world, affecting businesses, professions, trade, and of course, people. The most important developments in EC since 2014 are the continuous phenomenal growth of social networks, especially Facebook , LinkedIn and Instagram, and the trend toward conducting EC with mobile devices. Other major developments are the expansion of EC globally, especially in China where you can find the world's largest EC company. Much attention is lately being given to smart commerce and the use of AI-based analytics and big data to enhance the field. Finally, some emerging EC business models are changing industries (e.g., the shared economy models of Uber and Airbnb). The 2018 (9th) edition, brings forth the latest trends in e-commerce, including smart commerce, social commerce, social collaboration, shared economy, innovations, and mobility.

Criminology: The Core

Cengage Learning It's no mystery why Larry Siegel remains THE best-selling author in Criminal Justice. Professor Siegel is known for presenting real-life stories of crime, criminals and the hottest debates in the field, and CRIMINOLOGY: THE CORE, 7th Edition, doesn't disappoint. This four-color paperback is concise and affordable. Real-world material clarifies concepts and theories, equipping students with a solid foundation in modern criminology. Grounded in Siegel's signature style--cutting-edge theory plus meticulous research--the book covers all sides of an issue without taking a political or theoretical position and provides a broad view of the field's interdisciplinary nature. This edition includes the latest insights into political crime; terrorism (e.g., ISIS); white-collar, blue-collar and green-collar crime; cybercrime; transnational crime (e.g. human trafficking) and

many other topics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Indistractable

How to Control Your Attention and Choose Your Life

BenBella Books "Indistractable provides a framework that will deliver the focus you need to get results." —James Clear, author of Atomic Habits "If you value your time, your focus, or your relationships, this book is essential reading. I'm putting these ideas into practice." —Jonathan Haidt, author of The Righteous Mind National Bestseller Winner of the Outstanding Works of Literature (OWL) Award Included in the Top 5 Best Personal Development Books of the Year by Audible Included in the Top 20 Best Business and Leadership Books of the Year by Amazon Featured in The Amazon Book Review Newsletter, January 2020 Goodreads Best Science & Technology of 2019 Finalist You sit down at your desk to work on an important project, but a notification on your phone interrupts your morning. Later, as you're about to get back to work, a colleague taps you on the shoulder to chat. At home, screens get in the way of quality time with your family. Another day goes by, and once again, your most important personal and professional goals are put on hold. What would be possible if you followed through on your best intentions? What could you accomplish if you could stay focused? What if you had the power to become "indistractable?" International bestselling author, former Stanford lecturer, and behavioral design expert, Nir Eyal, wrote Silicon Valley's handbook for making technology habit-forming. Five years after publishing Hooked, Eyal reveals distraction's Achilles' heel in his groundbreaking new book. In Indistractable, Eyal reveals the hidden psychology driving us to distraction. He describes why solving the problem is not as simple as swearing off our devices: Abstinence is impractical and often makes us want more. Eyal lays bare the secret of finally doing what you say you will do with a four-step, research-backed model. Indistractable reveals the key to getting the best out of technology, without letting it get the best of us. Inside, Eyal overturns conventional wisdom and reveals: • Why distraction at work is a symptom of a dysfunctional company culture—and how to fix it • What really drives human behavior and why "time management is pain management" • Why your relationships (and your sex life) depend on you becoming indistractable • How to raise indistractable children in an increasingly distracting world Empowering and optimistic, Indistractable provides practical, novel techniques to control your time and attention—helping you live the life you really want.

Real-World Bug Hunting

A Field Guide to Web Hacking

No Starch Press Learn how people break websites and how you can, too. Real-World Bug Hunting is the premier field guide to finding software bugs. Whether you're a cyber-security beginner who wants to make the internet safer or a seasoned developer who wants to write secure code, ethical hacker Peter Yaworski will show you how it's done. You'll learn about the most common types of bugs like cross-site scripting, insecure direct object references, and server-side request forgery. Using real-life case studies of rewarded vulnerabilities from applications like Twitter, Facebook, Google, and Uber, you'll see how hackers manage to invoke race conditions while transferring money, use URL parameter to cause users to like unintended tweets, and more. Each chapter introduces a vulnerability type accompanied by a series of actual reported bug bounties. The book's collection of tales from the field will teach you how attackers trick users into giving away their sensitive information and how sites may reveal their vulnerabilities to savvy users. You'll even learn how you could turn your challenging new hobby into a successful career. You'll learn: • How the internet works and basic web hacking concepts • How attackers compromise websites • How to identify functionality commonly associated with vulnerabilities • How to find bug bounty programs and submit effective vulnerability reports Real-World Bug Hunting is a fascinating soup-to-nuts primer on web security vulnerabilities, filled with stories from the trenches and practical wisdom. With your new understanding of site security and weaknesses, you can help make the web a safer place--and profit while you're at it.

The Basics of Hacking and Penetration Testing

Ethical Hacking and Penetration Testing Made Easy

Elsevier The Basics of Hacking and Penetration Testing, Second Edition, serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end. The book teaches students how to properly utilize and interpret the results of the modern-day hacking tools required to complete a penetration test. It provides a simple and clean explanation of how to effectively utilize these tools, along

with a four-step methodology for conducting a penetration test or hack, thus equipping students with the know-how required to jump start their careers and gain a better understanding of offensive security. Each chapter contains hands-on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases. Tool coverage includes: Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. This is complemented by PowerPoint slides for use in class. This book is an ideal resource for security consultants, beginning InfoSec professionals, and students. Each chapter contains hands-on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases. Written by an author who works in the field as a Penetration Tester and who teaches Offensive Security, Penetration Testing, and Ethical Hacking, and Exploitation classes at Dakota State University. Utilizes the Kali Linux distribution and focuses on the seminal tools required to complete a penetration test.

The Mueller Report

The Final Report of the Special Counsel on Russian Interference in the 2016 Presidential Election

Courier Dover Publications This is the full Mueller Report, as released on April 18, 2019, by the U.S. Department of Justice. A reprint of the report exactly as it was issued by the government, it is without analysis or commentary from any other source and with nothing subtracted except for the material redacted by the Department of Justice. The mission of the Mueller investigation was to examine Russian interference in the 2016 Presidential election, consisting of possible links, or "collusion," between the Donald Trump campaign and the Russian government of Vladimir Putin as well as any allegations of obstruction of justice in this regard. It was also intended to detect and prosecute, where warranted, any other crimes that surfaced during the course of the investigation. The report consists of a detailed summary of the various investigations and inquiries that the Special Counsel and colleagues carried out in these areas. The investigation was initiated in the aftermath of the firing of FBI Director James Comey by Donald Trump on May 9, 2017. The FBI, under Director Comey, had already been investigating links between Russia and the Trump campaign. Mueller submitted his report to Attorney General William Barr on March 22, 2019, and the Department of Justice released the

redacted report one month later.

A Parent's Guide to Internet Safety

The Official CompTIA Security+ Self-Paced Study Guide (Exam SY0-601)

CompTIA Security+ Study Guide (Exam SY0-601)

Violent Python

A Cookbook for Hackers, Forensic Analysts, Penetration Testers and Security Engineers

Newnes Violent Python shows you how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker’s tools, this book will teach you to forge your own weapons using the Python programming language. This book demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts. It also shows how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how to data-mine popular social media websites and evade modern anti-virus. Demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts Write code to intercept and analyze network traffic using Python. Craft and spoof wireless frames to attack wireless and Bluetooth devices Data-mine popular social media websites and evade modern anti-virus

Global Trends 2030

Alternative Worlds

Createspace Independent Publishing Platform This publication covers global megatrends for the next 20 years and how they will affect the United States. This is the fifth installment in the National Intelligence

Council's series aimed at providing a framework for thinking about possible futures and their implications. The report is intended to stimulate strategic thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories during the next 15-20 years by identifying critical trends and potential discontinuities. The authors distinguish between megatrends, those factors that will likely occur under any scenario, and game-changers, critical variables whose trajectories are far less certain. NIC 2012-001. Several innovations are included in Global Trends 2030, including: a review of the four previous Global Trends reports, input from academic and other experts around the world, coverage of disruptive technologies, and a chapter on the potential trajectories for the US role in the international system and the possible the impact on future international relations. Table of Contents: Introduction 1 Megatrends 6 Individual Empowerment 8 Poverty Reduction 8 An Expanding Global Middle Class 8 Education and the Gender Gap 10 Role of Communications Technologies 11 Improving Health 11 A MORE CONFLICTED IDEOLOGICAL LANDSCAPE 12 Diffusion of Power 15 THE RISE AND FALL OF COUNTRIES: NOT THE SAME OLD STORY 17 THE LIMITS OF HARD POWER IN THE WORLD OF 2030 18 Demographic Patterns 20 Widespread Aging 20 Shrinking Number of Youthful Countries 22 A New Age of Migration 23 The World as Urban 26 Growing Food, Water, and Energy Nexus 30 Food, Water, and Climate 30 A Brighter Energy Outlook 34 Game-Changers 38 The Crisis-Prone Global Economy 40 The Plight of the West 40 Crunch Time Too for the Emerging Powers 43 A Multipolar Global Economy: Inherently More Fragile? 46 The Governance Gap 48 Governance Starts at Home: Risks and Opportunities 48 INCREASED FOCUS ON EQUALITY AND OPENNESS 53 NEW GOVERNMENTAL FORMS 54 A New Regional Order? 55 Global Multilateral Cooperation 55 The Potential for Increased Conflict 59 INTRASTATE CONFLICT: CONTINUED DECLINE 59 Interstate Conflict: Chances Rising 61 Wider Scope of Regional Instability 70 The Middle East: At a Tipping Point 70 South Asia: Shocks on the Horizon 75 East Asia: Multiple Strategic Futures 76 Europe: Transforming Itself 78 Sub-Saharan Africa: Turning a Corner by 2030? 79 Latin America: More Prosperous but Inherently Fragile 81 The Impact of New Technologies 83 Information Technologies 83 AUTOMATION AND MANUFACTURING TECHNOLOGIES 87 Resource Technologies 90 Health Technologies 95 The Role of the United States 98 Steady US Role 98 Multiple Potential Scenarios for the United States' Global Role 101 Alternative Worlds 107 Stalled Engines 110 FUSION 116 Gini-out-of-the-Bottle 122 Nonstate World 128 Acknowledgements 134 GT2030 Blog References 137 Audience: Appropriate for anyone, from businesses to banks, government agencies to start-ups, the technology sector to the teaching sector, and more. This publication helps anticipate where the world will be: socially, politically, technologically, and culturally over the next few decades. Keywords: Global Trends 2030 Alternative Worlds, global trends 2030, Global Trends series, National Intelligence Council, global trajectories, global megatrends, geopolitics, geopolitical

changes

The Antivirus Hacker's Handbook

John Wiley & Sons Hack your antivirus software to stamp out future vulnerabilities The Antivirus Hacker's Handbook guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the functions and other key elements of the software. Next, you leverage your new knowledge about software development to evade, attack, and exploit antivirus software—all of which can help you strengthen your network and protect your data. While not all viruses are damaging, understanding how to better protect your computer against them can help you maintain the integrity of your network. Discover how to reverse engineer your antivirus software Explore methods of antivirus software evasion Consider different ways to attack and exploit antivirus software Understand the current state of the antivirus software market, and get recommendations for users and vendors who are leveraging this software The Antivirus Hacker's Handbook is the essential reference for software reverse engineers, penetration testers, security researchers, exploit writers, antivirus vendors, and software engineers who want to understand how to leverage current antivirus software to improve future applications.

Real-World Bug Hunting

A Field Guide to Web Hacking

No Starch Press Uses real-world bug reports (vulnerabilities in software or in this case web applications) to teach programmers and InfoSec professionals how to discover and protect vulnerabilities in web applications. Real-World Bug Hunting is a field guide to finding software bugs. Ethical hacker Peter Yaworski breaks down common types of bugs, then contextualizes them with real bug bounty reports released by hackers on companies like Twitter, Facebook, Google, Uber, and Starbucks. As you read each report, you'll gain deeper insight into how the vulnerabilities work and how you might find similar ones. Each chapter begins with an explanation of a vulnerability type, then moves into a series of real bug bounty reports that show how the bugs were found. You'll learn things like how Cross-Site Request Forgery tricks users into unknowingly submitting information to websites they are logged into; how to pass along unsafe

JavaScript to execute Cross-Site Scripting; how to access another user's data via Insecure Direct Object References; how to trick websites into disclosing information with Server Side Request Forgeries; and how bugs in application logic can lead to pretty serious vulnerabilities. Yaworski also shares advice on how to write effective vulnerability reports and develop relationships with bug bounty programs, as well as recommends hacking tools that can make the job a little easier.

Machine Learning for Hackers

Case Studies and Algorithms to Get You Started

"O'Reilly Media, Inc." If you're an experienced programmer interested in crunching data, this book will get you started with machine learning—a toolkit of algorithms that enables computers to train themselves to automate useful tasks. Authors Drew Conway and John Myles White help you understand machine learning and statistics tools through a series of hands-on case studies, instead of a traditional math-heavy presentation. Each chapter focuses on a specific problem in machine learning, such as classification, prediction, optimization, and recommendation. Using the R programming language, you'll learn how to analyze sample datasets and write simple machine learning algorithms. Machine Learning for Hackers is ideal for programmers from any background, including business, government, and academic research. Develop a naïve Bayesian classifier to determine if an email is spam, based only on its text Use linear regression to predict the number of page views for the top 1,000 websites Learn optimization techniques by attempting to break a simple letter cipher Compare and contrast U.S. Senators statistically, based on their voting records Build a "whom to follow" recommendation system from Twitter data

Cyberspies

Simon and Schuster As the digital era become increasingly pervasive, the intertwining forces of computers and espionage are reshaping the entire world; what was once the preserve of a few intelligence agencies now affects us all.Corera's compelling narrative takes us from the Second World War through the Cold War and the birth of the internet to the present era of hackers and surveillance. The book is rich with historical detail and characters, as well as astonishing revelations about espionage carried out in recent times by the UK, US, and China. Using unique access to the National Security Agency, GCHQ, Chinese officials, and senior executives from some of the most powerful global technology companies, Gordon

Corera has gathered compelling stories from heads of state, hackers and spies of all stripes.Cyberspies is a ground-breaking exploration of the new space in which the worlds of espionage, diplomacy, international business, science, and technology collide.

Investigating Internet Crimes

An Introduction to Solving Crimes in Cyberspace

Newnes Written by experts on the frontlines, Investigating Internet Crimes provides seasoned and new investigators with the background and tools they need to investigate crime occurring in the online world. This invaluable guide provides step-by-step instructions for investigating Internet crimes, including locating, interpreting, understanding, collecting, and documenting online electronic evidence to benefit investigations. Cybercrime is the fastest growing area of crime as more criminals seek to exploit the speed, convenience and anonymity that the Internet provides to commit a diverse range of criminal activities. Today's online crime includes attacks against computer data and systems, identity theft, distribution of child pornography, penetration of online financial services, using social networks to commit crimes, and the deployment of viruses, botnets, and email scams such as phishing. Symantec's 2012 Norton Cybercrime Report stated that the world spent an estimated $110 billion to combat cybercrime, an average of nearly $200 per victim. Law enforcement agencies and corporate security officers around the world with the responsibility for enforcing, investigating and prosecuting cybercrime are overwhelmed, not only by the sheer number of crimes being committed but by a lack of adequate training material. This book provides that fundamental knowledge, including how to properly collect and document online evidence, trace IP addresses, and work undercover. Provides step-by-step instructions on how to investigate crimes online Covers how new software tools can assist in online investigations Discusses how to track down, interpret, and understand online electronic evidence to benefit investigations Details guidelines for collecting and documenting online evidence that can be presented in court