Open Source Intelligence Techniques: Resources For Searching And Analyzing Online Information

The Operator Handbook takes three disciplines (Red Team, OSINT, Blue Team) and combines them into one complete reference guide. The book contains 123 individual cheat sheet references for many of the most frequently used tools and techniques by practitioners. Over 400 pages of content to assist the most seasoned cybersecurity veteran or someone just getting started in the career field. The goal of combining all disciplines into one book was to remove the artificial barriers that only certain knowledge exists within a "Team". The reality is today's complex digital landscape demands some level of knowledge in all areas. The "Operator" culture should mean a well-rounded team member no matter the "Team" you represent. All cybersecurity practitioners are Operators. The Blue Team should observe and understand Red Team tactics, Red Team should continually push collaboration with the Blue Team, and OSINT should continually work to peel back evidence of evil doers scattered across disparate data sources. In the spirit of having no separation, each reference is listed in alphabetical order. Not only does this remove those team separated notions, but it also aids in faster lookup. We've all had the same experience where we knew there was an "NMAP Cheat Sheet" but did it fall under Networking, Windows, or Tools? In the Operator Handbook it begins with "N" so flip to the N's section. Also almost every topic is covered in "How to exploit X" and "How to defend X" perspectives. Tools and topics covered: Cloud (AWS, Azure, GCP), Windows, macOS, Linux, Android, iOS, DevOps (Docker, Kubernetes), OSINT, Ports, Forensics, Malware Resources, Defender tools, Attacker tools, OSINT tools, and various other supporting tools (Vim, iptables, nftables, etc...). This handbook was truly meant to be a single source for the most common tool and techniques an Operator can encounter while on the job. Search Copy Paste L33t.

"This textbook is PROACTIVE. It is about starting over. It is the complete guide that I would give to any new client in an extreme situation. It leaves nothing out and provides explicit details of every step I take to make someone completely disappear, including document templates and a chronological order of events. The information shared in this book is based on real experiences with my actual clients, and is unlike any content ever released in my other books. " -- publisher.

In the information age, it is critical that we understand the implications and exposure of the activities and data documented on the Internet. Improved efficiencies and the added capabilities of instant communication, high-speed connectivity to browsers, search engines, websites, databases, indexing, searching and analytical applications have made information technology (IT) and the Internet a vital issued for public and private enterprises. The downside is that this increased level of complexity and vulnerability presents a daunting challenge for enterprise and personal security. Internet Searches for Vetting, Investigations, and Open-Source Intelligence provides an understanding of the implications of the activities and data documented by individuals on the Internet. It delineates a much-needed framework for the responsible collection and use of the Internet for intelligence, investigation, vetting, and open-source information. This book makes a compelling case for action as well as reviews relevant laws, regulations, and rulings as they pertain to Internet crimes, misbehaviors, and individuals' privacy. Exploring technologies such as social media and aggregate information services, the author outlines the techniques and skills that can be used to leverage the capabilities of networked systems on the Internet and find critically important data to complete an up-to-date picture of people, employees, entities, and their activities. Outlining appropriate adoption of legal, policy, and procedural principles—and emphasizing the careful and appropriate use of Internet searching within the law—the book includes coverage of cases, privacy issues, and solutions for common problems encountered in Internet searching practice and information usage, from internal and external threats. The book is a valuable resource on how to utilize open-source, online sources to gather important information and screen and vet employees, prospective employees, corporate partners, and vendors.

Open Source Intelligence TechniquesResources for Searching and Analyzing Online Information

Using Open Source Information for Human Rights Investigation, Documentation, and Accountability

Purple Team Field Manual

Operator Handbook

Hunting Cyber Criminals

Theories, Methods, Tools and Technologies

Resources for Searching and Analyzing Online Information (LEIU)

Biotechnology is one of the major technologies of the twenty-first century. Its wide-ranging, multi-disciplinary activities include recombinant DNA techniques, cloning and the application of microbiology to the production of goods from bread to antibiotics. In this new edition of the textbook Basic Biotechnology, biology and bioprocessing topics are uniquely combined to provide a complete overview of biotechnology. The fundamental principles that underpin all biotechnology are explained and a full range of examples are discussed to show how these principles are applied; from starting substrate to final product. A distinctive feature of this text are the discussions of the public perception of biotechnology and the business of biotechnology, which set the science in a broader context. This comprehensive textbook is essential reading for all students of biotechnology and applied microbiology, and for researchers in biotechnology industries.

This book helps people find sensitive information on the Web. Google is one of the 5 most popular sites on the internet with more than 380 million unique users per month (Nielsen/NetRatings 8/05). But, Google's search capabilities are so powerful, they sometimes discover content that no one ever intended to be publicly available on the Web including: social security numbers, credit card numbers, trade secrets, and federally classified documents. Google Hacking for Penetration Testers Volume 2 shows the art of manipulating Google used by security professionals and system administrators to find this sensitive information and "self-police their own organizations. Readers will learn how Google Maps and Google Earth provide pinpoint military accuracy, see how bad guys can manipulate Google to create super worms, and see how they can "mash up" Google with MySpace, LinkedIn, and more for passive reconaissance. • Learn Google Searching Basics Explore Google's Web-based Interface, build Google queries, and work with Google URLs. • Use Advanced Operators to Perform Advanced Queries Combine advanced operators and learn about colliding operators and bad search-fu. • Learn the Ways of the Google Hacker See how to use caches for anonymity and review directory listings and traversal techniques. • Review Document Grinding and Database Digging See the ways to use Google to locate documents and then search within the documents to locate information. • Understand Google's Part in an Information Collection Framework Learn the principles of automating searches and the applications of data mining. • Locate Exploits and Finding Targets Locate exploit code and then vulnerable targets. • See Ten Simple Security Searches Learn a few searches that give good results just about every time and are good for a security assessment. • Track Down Web Servers Locate and profile web servers, login portals, network hardware and utilities. • See How Bad Guys Troll for Data Find ways to search for usernames, passwords, credit card numbers, social security numbers, and other juicy information. • Hack Google Services Learn more about the AJAX Search API, Calendar, Blogger, Blog Search, and more.

Interdisciplinary and multidisciplinary research is slowly yet steadily revolutionizing traditional education. However, multidisciplinary research can and will also improve the extent to which a country can protect its critical and vital assets. Applying Methods of Scientific Inquiry Into Intelligence, Security, and Counterterrorism is an essential scholarly publication that provides personnel directly working in the fields of intelligence, law enforcement, and science with the opportunity to understand the multidisciplinary nature of intelligence and science in order to improve current intelligence activities and contribute to the protection of the nation. Each chapter of the book discusses various components of science that should be applied to the intelligence arena. Featuring coverage on a range of topics including cybersecurity, economics, and political strategy, this book is ideal for law enforcement, intelligence and security practitioners, students, educators, and researchers.

A self-contained introduction to advanced general relativity.

A Hacker's Guide to Online Intelligence Gathering Tools and Techniques

Digital Witness

Open Source Intelligence Techniques

The Genetic Lottery

What it Takes to Disappear in America

Critical Infrastructure Security and Resilience

Completely Rewritten Sixth Edition Sheds New Light on Open Source Intelligence Collection and Analysis Author Michael Bazzell has been well known in government circles for his ability to locate personal information about any target through Open Source Intelligence (OSINT). In this book, he shares his methods in great detail. Each step of his process is explained throughout twenty-five chapters of specialized websites, software solutions, and creative search techniques. Over 250 resources are identified with narrative tutorials and screen captures. This book will serve as a reference guide for anyone that is responsible for the collection of online content. It is written in a hands-on style that encourages the reader to execute the tutorials as they go. The search techniques offered will inspire analysts to "think outside the box" when scouring the internet for personal information. Much of the content of this book has never been discussed in any publication. Always thinking like a hacker, the author has identified new ways to use various technologies for an unintended purpose. This book will greatly improve anyone's online investigative skills. Among other techniques, you will learn how to locate: Hidden Social Network Content Cell Phone Subscriber Information Deleted Websites & Posts Missing Facebook Profile Data Full Twitter Account Data Alias Social Network Profiles Free Investigative Software Useful Browser Extensions Alternative Search Engine Results Website Owner Information Photo GPS & Metadata Live Streaming Social Content Social Content by Location IP Addresses of Users Additional User Accounts Sensitive Documents & Photos Private Email Addresses Duplicate Video Posts Mobile App Network Data Unlisted Addresses &#s Public Government Records Document Metadata Rental Vehicle Contracts Online Criminal Activity Personal Radio Communications Compromised Email Information Automated Collection Solutions Linux Investigative Programs Dark Web Content (Tor) Restricted YouTube Content Hidden Website Details Vehicle Registration Details

NOWHERE TO HIDE: Open Source Intelligence Gathering provides practical insight into the investigative tools and open source intelligence gathering (commonly known as "OSINT") used by law enforcement, the media, and the general public to identify individuals involved in the events of January 6, 2021, at the U.S. Capitol Building in Washington, DC. NOWHERE TO HIDE retraces the FBI's investigative techniques - some using cutting-edge technology and others using old fashioned, knocking-on-doors detective work - used to pursue the hundreds of thousands of leads received from the general public. NOWHERE TO HIDE is filled with real world case studies, specific resources and practical "how to" guides to equip both beginner and seasoned OSINT investigators with the right tools for their OSINT toolboxes. This insightful volume includes 36 case studies that follow the FBI's investigations of individual persons of interest, including the tactics, techniques, and procedures used by law enforcement, the media, and public sleuths to track down, identify, and - most importantly - verify the identities of suspected rioters. Learn how the FBI sifted through hundreds of thousands of leads, false positives, dead ends, as well as numerous unexpected leads to perform their investigations. NOWHERE TO HIDE provides vivid context around the events of January 6, 2021, at the U.S. Capitol Building in Washington, DC, which left five people - one police officer and four protestors - dead by the end of the assault. Effective OSINT research requires a combination of technical knowledge to find the Who, What, When, Where, and How threads of data and information as well as taking into account our unpredictable human nature that sometimes leads us to do the things we do (the Why). OSINT is both science and art. NOWEHERE TO HIDE provides practical, actionable information to help both novice and expert investigators, researchers, advocates, and journalists navigate and penetrate OSINT resources to find the information and evidence they seek. Daniel Farber Huang is author of "Practical Cyber Security for Extremely Busy People" and a consultant to a wide range of organizations on cyber and strategy issues. He has worked closely with numerous federal, state, and local law enforcement agencies across the U.S. on providing solutions to their mobile technology requirements. He has focused on providing hardware and software solutions to federal field agents, investigators, the police, and other authorities to support them in performing their duties. He is a strategic consultant helping a wide range of companies in different industries reduce risks at all levels of their organizations, including their cyber security. Daniel is also a documentary photographer and freelance journalist.

Introduction to Intelligence Studies provides a comprehensive overview of intelligence and security issues confronting the United States today. Since the attacks of 9/11, the United States Intelligence Community has undergone an extensive overhaul. This textbook provides a comprehensive overview of intelligence and security issues, defining critical terms and reviewing the history of intelligence as practiced in the United States. Designed in a practical sequence, the book begins with the basics of intelligence, progresses through its history, describes best practices, and explores the way the intelligence community looks and operates today. The authors examine the 'pillars' of the American intelligence system—collection, analysis, counterintelligence, and covert operations—and demonstrate how these work together to provide 'decision advantage'. The book offers equal treatment to the functions of the intelligence world—balancing coverage on intelligence collection, counterintelligence, information management, critical thinking, and decision-making. It also covers such vital issues as laws and ethics, writing and briefing for the intelligence community, and the emerging threats and challenges that intelligence professionals will face in the future. This revised and updated second edition addresses issues such as the growing influence of Russia and China, the emergence of the Islamic State, and the effects the Snowden and Manning leaks have had on the intelligence community. This book will be essential reading for students of intelligence studies, US national security, and IR in general.

Harden the human firewall against the most current threats Social Engineering: The Science of Human Hacking reveals the craftier side of the hacker's repertoire—why hack into something when you could just ask for access? Undetectable by firewalls and antivirus software, social engineering relies on human fault to gain access to sensitive spaces; in this book, renowned expert Christopher Hadnagy explains the most commonly-used techniques that fool even the most robust security personnel, and shows you how these techniques have been used in the past. The way that we make decisions as humans affects everything from our emotions to our security. Hackers, since the beginning of time, have figured out ways to exploit that decision making process and get you to take an action not in your best interest. This new Second Edition has been updated with the most current methods used by sharing stories, examples, and scientific study behind how those decisions are exploited. Networks and systems can be hacked, but they can also be protected; when the "system" in question is a human being, there is no software to fall back on, no hardware upgrade, no code that can lock information down indefinitely. Human nature and emotion is the secret weapon of the malicious social engineering, and this book shows you how to recognize, predict, and prevent this type of manipulation by taking you inside the social engineer's bag of tricks. Examine the most common social engineering tricks used to gain access Discover which popular techniques generally don't work in the real world Examine how our understanding of the science behind emotions and decisions can be used by social engineers Learn how social engineering factors into some of the biggest recent headlines Learn how to use these skills as a professional social engineer and secure your company Adopt effective counter-measures to keep hackers at bay By working from the social engineer's playbook, you gain the advantage of foresight that can help you protect yourself and others from even their best efforts. Social Engineering gives you the inside information you need to mount an unshakeable defense.

Introduction to Intelligence Studies

Time Loopers

Hiding from the Internet

Four Tales from a Time War

Olfaction and the Brain

PTFM

This book presents the latest trends in attacks and protection methods of Critical Infrastructures. It describes original research models and applied solutions for protecting major emerging threats in Critical Infrastructures and their underlying networks. It presents a number of emerging endeavors, from newly adopted technical expertise in industrial security to efficient modeling and implementation of attacks and relevant security measures in industrial control systems; including advancements in hardware and services security, interdependency networks, risk analysis, and control systems security along with their underlying protocols. Novel attacks against Critical Infrastructures (CI) demand novel security solutions. Simply adding more of what is done already (e.g. more thorough risk assessments, more expensive Intrusion Prevention/Detection Systems, more efficient firewalls, etc.) is simply not enough against threats and attacks that seem to have evolved beyond modern analyses and protection methods. The knowledge presented here will help Critical Infrastructure authorities, security officers, Industrial Control Systems (ICS) personnel and relevant researchers to (i) get acquainted with advancements in the field, (ii) integrate security research into their industrial or research work, (iii) evolve current practices in modeling and analyzing Critical Infrastructures, and (iv) moderate potential crises and emergencies influencing or emerging from Critical Infrastructures.

One of the most important aspects for a successful police operation is the ability for the police to obtain timely, reliable and actionable intelligence related to the investigation or incident at hand. Open Source Intelligence (OSINT) provides an invaluable avenue to access and collect such information in addition to traditional investigative techniques and information sources. This book offers an authoritative and accessible guide on how to conduct Open Source Intelligence investigations from data collection to analysis to the design and vetting of OSINT tools. In its pages the reader will find a comprehensive view into the newest methods for OSINT analytics and visualizations in combination with real-life case studies to showcase the application as well as the challenges of OSINT investigations across domains. Examples of OSINT range from information posted on social media as one of the most openly available means of accessing and gathering Open Source Intelligence to location data, OSINT obtained from the darkweb to combinations of OSINT with real-time analytical capabilities and closed sources. In addition it provides guidance on legal and ethical considerations making it relevant reading for practitioners as well as academics and students with a view to obtain thorough, first-hand knowledge from serving experts in the field.

Red teams can show flaws that exist in your network before they are compromised by malicious actors and blue teams traditionally assess current security measures and identify security flaws. The teams can provide valuable feedback to each other, but this is often overlooked, enter the purple team. The purple team allows for the integration of red team tactics and blue team security measures. The purple team field manual is a manual for all security professionals and integrates red and blue team methodologies.

Algorithms for Automating Open Source Intelligence (OSINT) presents information on the gathering of information and extraction of actionable intelligence from openly available sources, including news broadcasts, public repositories, and more recently, social media. As OSINT has applications in crime fighting, state-based intelligence, and social research, this book

provides recent advances in text mining, web crawling, and other algorithms that have led to advances in methods that can largely automate this process. The book is beneficial to both practitioners and academic researchers, with discussions of the latest advances in applications, a coherent set of methods and processes for automating OSINT, and interdisciplinary perspectives on the key problems identified within each discipline. Drawing upon years of practical experience and using numerous examples, editors Robert Layton, Paul Watters, and a distinguished list of contributors discuss Evidence Accumulation Strategies for OSINT, Named Entity Resolution in Social Media, Analyzing Social Media Campaigns for Group Size Estimation, Surveys and qualitative techniques in OSINT, and Geospatial reasoning of open data. Presents a coherent set of methods and processes for automating OSINT Focuses on algorithms and applications allowing the practitioner to get up and running quickly Includes fully developed case studies on the digital underground and predicting crime through OSINT Discusses the ethical considerations when using publicly available online data

Defining Second Generation Open Source Intelligence (Osint) for the Defense Enterprise

Open Source Intelligence Tools and Resources Handbook

Social Engineering

Eliminating Personal Online Information

Open Source Intelligence and Web Reconnaissance Concepts and Techniques

Red Team + OSINT + Blue Team Reference

This book covers the developing field of open source research and discusses how to use social media, satellite imagery, big data analytics, and user-generated content to strengthen human rights research and investigations. The topics are presented in an accessible format through extensive use of images and data visualization (éditeur).

What individuals, corporations, and governments need to know about information-related attacks and defenses! Every day, we hear reports of hackers who have penetrated computer networks, vandalized Web pages, and accessed sensitive information. We hear how they have tampered with medical records, disrupted emergency 911 systems, and siphoned money from bank accounts. Could information terrorists, using nothing more than a personal computer, cause planes to crash, widespread power blackouts, or financial chaos? Such real and imaginary scenarios, and our defense against them, are the stuff of information warfare-operations that target or exploit information media to win some objective over an adversary. Dorothy E. Denning, a pioneer in computer security, provides in this book a framework for understanding and dealing with information-based threats: computer break-ins, fraud, sabotage, espionage, piracy, identity theft, invasions of privacy, and electronic warfare. She describes these attacks with astonishing, real examples, as in her analysis of information warfare operations during the Gulf War. Then, offering sound advice for security practices and policies, she explains countermeasures that are both possible and necessary. You will find in this book: A comprehensive and coherent treatment of offensive and defensive information warfare, identifying the key actors, targets, methods, technologies, outcomes, policies, and laws; A theory of information warfare that explains and integrates within a single framework operations involving diverse actors and media; An accurate picture of the threats, illuminated by actual incidents; A description of information warfare technologies and their limitations, particularly the limitations of defensive technologies. Whatever your interest or role in the emerging field of information warfare, this book will give you the background you need to make informed judgments about potential threats and our defenses against them. 0201433036B04062001

Apply Open Source Intelligence (OSINT) techniques, methods, and tools to acquire information from publicly available online sources to support your intelligence analysis. Use the harvested data in different scenarios such as financial, crime, and terrorism investigations as well as performing business competition analysis and acquiring intelligence about individuals and other entities. This book will also improve your skills to acquire information online from both the regular Internet as well as the hidden web through its two sub-layers: the deep web and the dark web. The author includes many OSINT resources that can be used by intelligence agencies as well as by enterprises to monitor trends on a global level, identify risks, and gather competitor intelligence so more effective decisions can be made. You will discover techniques, methods, and tools that are equally used by hackers and penetration testers to gather intelligence about a specific target online. And you will be aware of how OSINT resources can be used in conducting social engineering attacks. Open Source Intelligence Methods and Tools takes a practical approach and lists hundreds of OSINT resources that can be used to gather intelligence from online public sources. The book also covers how to anonymize your digital identity online so you can conduct your searching activities without revealing your identity. What You'll Learn Identify intelligence needs and leverage a broad range of tools and sources to improve data collection, analysis, and decision making in your organization Use OSINT resources to protect individuals and enterprises by discovering data that is online, exposed, and sensitive and hide the data before it is revealed by outside attackers Gather corporate intelligence about business competitors and predict future market directions Conduct advanced searches to gather intelligence from social media sites such as Facebook and Twitter Understand the different layers that make up the Internet and how to search within the invisible web which contains both the deep and the dark webs Who This Book Is For Penetration testers, digital forensics investigators, intelligence services, military, law enforcement, UN agencies, and for-profit/non-profit enterprises

This report describes the evolution of open source intelligence, defines open source information and the intelligence cycle, and parallels with other intelligence disciplines, along with methods used and challenges of using off-the-shelf technology.

We Are Bellingcat

Differential Geometry, Gauge Theories, and Gravity

Why DNA Matters for Social Equality

Algorithms for OSINT

Resources for Searching and Analyzing Online Information

Communicating With Inteligence

2018 version of the OSINT Tools and Resources Handbook. This version is almost three times the size of the last public release in 2016. It reflects the changing intelligence needs of our clients in both the public and private sector, as well as the many areas we have been active in over the past two years.

Olfaction and its relation to mental health is an area of growing interest, evidenced by the 2004 Nobel Prize in Physiology or Medicine being awarded for discoveries relating to odorant receptors and the organization of the olfactory system. Olfaction is of particular interest to specialists seeking a fuller understanding of schizophrenia. Clear deficits in the sense of smell could predict schizophrenia in apparently unaffected individuals. In this book, first published in 2006, Warrick Brewer and his team of experts set out our understanding of olfaction and mental health, relating it to broader principles of neural development and processing as a foundation for understanding psychopathology. The neuropathological, neuropsychological and neuropsychiatric aspects of olfactory function and dysfunction are all covered (drawing on neuroimaging techniques where appropriate), and indications for future research and applications are discussed.

New 2018 Fourth Edition Take control of your privacy by removing your personal information from the internet with this updated Fourth Edition. Author Michael Bazzell has been well known in government circles for his ability to locate personal information about anyone through the internet. In Hiding from the Internet: Eliminating Personal Online Information, he exposes the resources that broadcast your personal details to public view. He has researched each source and identified the best method to have your private details removed from the databases that store profiles on all of us. This book will serve as a reference guide for anyone that values privacy. Each technique is explained in simple steps. It is written in a hands-on style that encourages the reader to execute the tutorials as they go. The author provides personal experiences from his journey to disappear from public view. Much of the content of this book has never been discussed in any publication. Always thinking like a hacker, the author has identified new ways to force companies to remove you from their data collection systems. This book exposes loopholes that create unique opportunities for privacy seekers. Among other techniques, you will learn to: Remove your personal information from public databases and people search sites Create free anonymous mail addresses, email addresses, and telephone numbers Control your privacy settings on social networks and remove sensitive data Provide disinformation to conceal true private details Force data brokers to stop sharing your information with both private and public organizations Prevent marketing companies from monitoring your browsing, searching, and shopping habits Remove your landline and cellular telephone numbers from online websites Use a credit freeze to eliminate the worry of financial identity theft and fraud Change your future habits to promote complete privacy and anonymity Conduct a complete background check to verify proper information removal Configure a home firewall with VPN Kill-Switch Purchase a completely invisible home or vehicle

It is time to look at OSINT in a different way. For many years, and within the previous editions of this book, we have relied on external resources to supply our search tools, virtual environments, and investigation techniques. We have seen this protocol fail us when services shut down, websites disappear, and custom resources are dismantled due to outside pressures. This book aims to correct our dilemma. We will take control of our investigative resources and become self-reliant. There will be no more need for online search tools; we will make and host our own locally. We will no longer seek pre-built virtual machines; we will create and configure our own. This book puts the power back in your hands.

An Intelligence Agency for the People

Google Hacking for Penetration Testers

James Nasmyth Engineer

Counterterrorism and Open Source Intelligence

The Science of Human Hacking

Open Source Intelligence Gathering - CASEBOOK: How the FBI, Media, and Public Identiified the January 6, 2021 U.S. Capitol Rioters

Preimplantation Genetic Diagnosis (PGD) is the detection and screening of genetic abnormality in gametes prior to fertilisation and embryos fertilised in vitro prior to implantation. This exciting new text provides an introduction and overview of the principles of PGD. An exciting fusion of prenatal diagnosis (PD) with in vitro fertilisation (IVF), this book is will appeal to both the prenatal diagnosis community, of clinical geneticists and foetal medicine specialists within obstetrics and gynaecology, and the IVF community within reproductive medicine. It is also an essential introduction to PD, clinical genetics and IVF for non-specialists. A concise introduction to the field of PGD Detailed explanations of the techniques and procedures used The law and ethical implications of PGD Future uses of PGD

The book explains how openly available information is undervalued by the intelligence community and how analysts can use of this huge amount of information.

Open source intelligence (OSINT) and web reconnaissance are rich topics for infosec professionals looking for the best ways to sift through the abundance of information widely available online. In many cases, the first stage of any security assessment—that is, reconnaissance—is not given enough attention by security professionals, hackers, and penetration testers. Often, the information openly present is as critical as the confidential data. Hacking Web Intelligence shows you how to dig into the Web and uncover the information many don't even know exists. The book takes a holistic approach that is not only about using tools to find information online but also how to link all the information and transform it into presentable and actionable intelligence. You will also learn how to secure your information online to prevent it being discovered by these reconnaissance methods. Hacking Web Intelligence is an in-depth technical reference covering the methods and techniques you need to unearth open source information from the Internet and utilize it for the purpose of targeted attack during a security assessment. This book will introduce you to many new and leading-edge reconnaissance, information gathering, and open source intelligence methods and techniques, including metadata extraction tools, advanced search engines, advanced browsers, power searching methods, online anonymity tools such as TOR and i2p, OSINT tools such as Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, Social Network Analysis (SNA), Darkweb/Deepweb, data visualization, and much more. Provides a holistic approach to OSINT and Web recon, showing you how to fit all the data together into actionable intelligence Focuses on hands-on tools such as TOR, i2p, Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, FOCA, EXIF, Metagoofil, MAT, and many more Covers key technical topics such as metadata searching, advanced browsers and power searching, online anonymity, Darkweb / Deepweb, Social Network Analysis (SNA), and how to manage, analyze, and visualize the data you gather Includes hands-on technical examples and case studies, as well as a Python chapter that shows you how to create your own information-gathering tools and modify existing APIs

Beginning its life as the sensational entertainment of the eighteenth century, the novel has become the major literary genre of modern times. Drawing on hundreds of examples of famous novels from all over the world, Marina MacKay explores the essential aspects of the novel and its history: where novels came from and why we read them; how we think about their styles and techniques, their people, plots, places, and politics. Between the main chapters are longer readings of individual works, from Don Quixote to Midnight's Children. A glossary of key terms and a guide to further reading are included, making this an ideal accompaniment to introductory courses on the novel.

Nowhere to Hide

The Nature of Mathematical Modeling

The Cambridge Introduction to the Novel

Extreme Privacy

Applying Methods of Scientific Inquiry Into Intelligence, Security, and Counterterrorism

The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries. This book's unique digital investigation proposition is a combination of story-telling, tutorials, and case studies. The book explores digital investigation from multiple angles: Through the eyes of the author who has several years of experience in the subject. Through the mind of the hacker who collects massive amounts of data from multiple online sources to identify targets as well as ways to hit the targets. Through the eyes of industry leaders. This book is ideal for: Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization. Security analysts, forensic investigators, and SOC teams looking for new approaches on digital investigations from the perspective of collecting and parsing publicly available information. CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization's data.

THE SUNDAY TIMES BESTSELLER 'John le Carré demystified the intelligence services; Higgins has demystified intelligence gathering itself' Financial Times 'Uplifting . . . Riveting . . . What will fire people through these pages, gripped, is the focused, and extraordinary investigations that Bellingcat runs . . . Each runs as if the concluding chapter of a Holmesian whodunit' Telegraph 'We Are Bellingcat is Higgins's gripping account of how he reinvented reporting for the internet age . . . A manifesto for optimism in a dark age' Luke Harding, Observer How did a collective of self-taught internet sleuths end up solving some of the biggest crimes of our time? Bellingcat, the home-grown investigative unit, is redefining the way we think about news, politics and the digital future. Here, their founder – a high-school dropout on a kitchen laptop – tells the story of how they created a whole new category of information-gathering, galvanising citizen journalists across the globe to expose war crimes and pick apart disinformation, using just their computers. From the downing of Malaysia Flight 17 over the Ukraine to the sourcing of weapons in the Syrian Civil War and the identification of the Salisbury poisoners, We Are Bellingcat digs deep into some of Bellingcat's most successful investigations. It explores the most cutting-edge tools for analysing data, from virtual-reality software that can build photorealistic 3D models of a crime scene, to apps that can identify exactly what time of day a photograph was taken. In our age of uncertain truths, Bellingcat is what the world needs right now – an intelligence agency by the people, for the people.

OSINT is a rapidly evolving approach to intelligence collection, and its wide application makes it a useful methodology for numerous practices, including within the criminal investigation community.The Tao of Open Source Intelligence is your guide to the cutting edge of this information collection capability.

Since the 9/11 terrorist attacks in the United States, serious concerns were raised on domestic and international security issues. Consequently, there has been considerable interest recently in technological strategies and resources to counter acts of terrorism. In this context, this book provides a state-of-the-art survey of the most recent advances in the field of counterterrorism and open source intelligence, demonstrating how various existing as well as novel tools and techniques can be applied in combating covert terrorist networks. A particular focus will be on future challenges of open source intelligence and perspectives on how to effectively operate in order to prevent terrorist activities.

Preimplantation Genetic Diagnosis

Automating Open Source Intelligence

A Practical Guide to Online Intelligence

Internet Searches for Vetting, Investigations, and Open-Source Intelligence

Open Source Intelligence Methods and Tools

Advanced General Relativity

Get rich. Wield incredible power. Get revenge. But avoid paradox, or get erased from the timestream so you never existed. Time travel offer endless possibilities and limitless dangers. What would you do if you could go back and relive your past? What if others could too? Who polices time? How do you win a

time war? Four tales from a time war by veteran SF authors: Time's Revenge Craig repeats the same day, getting ever closer to pulling off the perfect murder. He just wants to make a fortune, but who gave Craig this power and why is the killing so important to them? Time Trapped Librarian Irene has started traveling through time, but someone else controls her destinations. As history starts to unravel, can Irene prevent a terrible future she has already seen? The Comatose Man In his attempt to right an old wrong, Ross accidentally unleashes something far worse. Can the past fight an invasion from the future? The Terror Out of Time Dimitri-Laurent de Marigny is a criminal mastermind with a plan to finally realise his dream of immortality. But has de Marigny really understood the price that he – and the world – will pay? Bonus story - A Stitch in Time Time travel operative Art is on a simple mission to correct a previous mistake. But why is his partner behaving strangely, and are missions ever really simple?

Author Michael Bazzell has been well known in government circles for his ability to locate personal information about any target through Open Source Intelligence (OSINT). In Open Source Intelligence Techniques: Resources for Searching and Analyzing Online Information, he shares his methods in great detail. Each step of his process is explained throughout twenty-four chapters of specialized websites, software solutions, and creative search techniques. Over 250 resources are identified with narrative tutorials and screen captures. This book will serve as a reference guide for anyone that is responsible for the collection of online content. It is written in a hands-on style that encourages the reader to execute the tutorials as they go. The search techniques offered will inspire analysts to "think outside the box" when scouring the internet for personal information. Much of the content of this book has never been discussed in any publication. Always thinking like a hacker, the author has identified new ways to use various technologies for an unintended purpose. This book will greatly improve anyone's online investigative skills. Among other techniques, you will learn how to locate:Hidden Social Network ContentCell Phone Subscriber InformationDeleted Websites & PostsMissing Facebook Profile DataFull Twitter Account DataAlias Social Network ProfilesFree Investigative SoftwareUseful Browser ExtensionsAlternative Search Engine ResultsWebsite Owner InformationPhoto GPS & MetadataLive Streaming Social ContentSocial Content by LocationIP Addresses of UsersAdditional User AccountsSensitive Documents & PhotosPrivate Email AddressesDuplicate Video PostsMobile App Network DataUnlisted Addresses & #sPublic Government RecordsDocument MetadataRental Vehicle ContractsOnline Criminal ActivityPersonal Radio CommunicationsCompromised Email InformationAutomated Collection SolutionsLinux Investigative ProgramsDark Web Content (Tor)Restricted YouTube ContentHidden Website DetailsVehicle Registration Details

Major text/reference work on computer modeling for students and researchers in any quantitative or semi-quantitative discipline, first published in 1998.

Emphasizing the applications of differential geometry to gauge theories in particle physics and general relativity, this work will be of special interest for researchers in applied mathematics or theoretical physics.

Open Source Intelligence Investigation

An Autobiography

Open Source Intelligence in a Networked World

Basic Biotechnology

From Strategy to Implementation

Hacking Web Intelligence

The problem of inducing, learning or inferring grammars has been studied for decades, but only in recent years has grammatical inference emerged as an independent field with connections to many scientific disciplines, including bio-informatics, computational linguistics and pattern recognition. This book meets the need for a comprehensive and unified summary of the basic techniques and results, suitable for researchers working in these various areas. In Part I, the objects of use for grammatical inference are studied in detail: strings and their topology, automata and grammars, whether probabilistic or not. Part II carefully explores the main questions in the field: What does learning mean? How can we associate complexity theory with learning? In Part III the author describes a number of techniques and algorithms that allow us to learn from text, from an informant, or through interaction with the environment. These concern automata, grammars, rewriting systems, pattern languages or transducers.

A provocative and timely case for how the science of genetics can help create a more just and equal society In recent years, scientists like Kathryn Paige Harden have shown that DNA makes us different, in our personalities and in our health—and in ways that matter for educational and economic success in our current society. In The Genetic Lottery, Harden introduces readers to the latest genetic science, dismantling dangerous ideas about racial superiority and challenging us to grapple with what equality really means in a world where people are born different. Weaving together personal stories with scientific evidence, Harden shows why our refusal to recognize the power of DNA perpetuates the myth of meritocracy, and argues that we must acknowledge the role of genetic luck if we are ever to create a fair society. Reclaiming genetic science from the legacy of eugenics, this groundbreaking book offers a bold new vision of society where everyone thrives, regardless of how one fares in the genetic lottery.

Learning Automata and Grammars

Grammatical Inference

Information Warfare and Security

The Tao of Open Source Intelligence