

# **Cybersecurity Starter Guide**

**For Beginners and Professionals**

**By**

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## Training Platforms

1. Cybrary
2. Infosec Institute
3. SANS
4. [Hack The Box](#)
5. [TryHackMe](#)
6. [SANS Cyber Aces Online](#)
7. Portswigger
8. [Pentester](#)
9. [Let's Defend](#)
10. [overthewire](#)
11. [Coursera](#)
12. [Udemy](#)

## Bootcamps:

[2023 Best Bootcamps](#)

[Course Report](#)

## Career Pathway Tools:

[National Initiative for Cybersecurity Careers and Studies](#)

[CompTIA's IT Career Path Planning Tool](#)

[Cybersecurity Career Pathway](#)

[Security Certification Roadmap](#)

## **Communities:**

[Cyblack](#)

[Diary of Hackers](#)

[Black Girls Hack](#)

[Black Girls in Cyber](#)

[Blacks in Cybersecurity](#)

[Cyber Intelligence Network](#)

[Cyversity](#)

[Minorities in Cybersecurity](#)

[#SharetheMicinCyber](#)

## **Conferences:**

[Aspen Cyber Summit](#)

[2023 Cybersecurity Conferences](#)

[Hack Miami](#)

[RSA Conference](#)

[The Official Cyber Security Summit](#)

[WiCys](#)

[GISEC](#)

[Blackhat](#)

## **Fellowships:**

[Tech4Dev](#)

[CyberSafe](#)

[Cyber Innovative Fellows Initiative](#)

[University of Tulsa](#)

## **Publications:**

[Cyber Magazine](#)

[CyberScoop](#)

[Institute of Electrical and Electronics Engineers](#)

[National Institute of Standards and Technology](#)

## **Reports:**

[Belfer Center's Cyber Project](#)

[Cyberspace Solarium Commission](#)

[Cybersecurity in Application, Research and Education Lab](#)

[Cybersecurity Insiders](#)

[Global Cyber Alliance](#)

[National Cybersecurity Alliance](#)

## **Free Software**

[Kali Linux OS](#)

<https://ubuntu.com/download>

<https://www.kali.org/get-kali/#kali-platforms>

<https://developers.redhat.com/products/rhel/download>

[Microsoft OS](#)

<https://www.microsoft.com/en-us/evalcenter>

[Email Security - Deshatched](#)

[Web Hacking - Burp Suite](#)

[Port Scan - Nmap](#)

# Learning Resources

## Networking

1. <https://lnkd.in/gNm8RhtS>
2. <https://lnkd.in/gHqw2sHZ>
3. <https://lnkd.in/g4fp8Wfa>

## Linux

1. <https://lnkd.in/g7KJBUYd>
2. <https://lnkd.in/gUK8PU4p>

## CompTIA Security+

[https://lnkd.in/gYfy\\_CG9](https://lnkd.in/gYfy_CG9)

## CISSP

<https://lnkd.in/gUFjihpJ>

## Penetration testing

<https://lnkd.in/gAdgyY6h>

## Web application testing

<https://lnkd.in/g5FkXWej>

## FREE TRAININGS

### 1.) Cybersecurity for Everyone by the University of Maryland

 <https://lnkd.in/dNJcGqUK>

This course is designed for students with little or no background in information technology and cybersecurity

### 2.) Cloud Security Basics by the University of Minnesota

 <https://lnkd.in/dUhcePbB>

This course introduces you to cybersecurity for the cloud. You'll learn and apply classic security techniques to today's cloud security problems.

### 3.) Introduction to Cybersecurity by the University of Washington

 <https://lnkd.in/dkQecqeD>

This course will give you an overview of the cybersecurity landscape with national (USA) and international perspectives.

### 4.) Introduction to Cyber Security by the Open University

 <https://lnkd.in/dJYvkbCd>

In this eight-week course from The Open University, you'll learn how to recognize online security threats that could harm you and explore the steps you can take to minimize your risk.

### 5.) Internet History, Technology, and Security by the University of Michigan

 <https://lnkd.in/dgkg75hx>

This course will open up the Internet and show you how it was created, who created it, and how it works.

1. Introduction to cyber security  
<https://lnkd.in/dZeXGjcE>
2. Introduction to cyber security  
<https://lnkd.in/dGSQS7V5>
3. ISC2 -Certified in Cybersecurity  
<https://www.isc2.org/1mcc>
4. Real-Time Cyber Threat Detection and Mitigation  
[https://lnkd.in/dRasUB\\_D](https://lnkd.in/dRasUB_D)
5. Enterprise and Infrastructure Security  
<https://lnkd.in/d5yZ3gtk>
6. Penetration Testing - Discovering Vulnerabilities  
<https://lnkd.in/dxdcKjq7>
7. Computer Forensics  
<https://lnkd.in/da9jUnng>
8. Building a Cybersecurity Toolkit  
<https://lnkd.in/dkazz8kc>
9. Introduction to Cybercrime  
<https://lnkd.in/d2T-S2AF>
10. CISSP® Introduction to Information Security  
<https://lnkd.in/dxhcztvX>



## 11. Cybersecurity Basics

<https://lnkd.in/dKuZFWJ9>

## 12. Introduction to Cyber Attacks

<https://lnkd.in/d9MS-SAX>

## 13. Cyberattack Countermeasure

<https://lnkd.in/dJhqvhkg>

## **Vulnerability Management**

- [Professor Messer](#)
- [Qualys Training on Vulnerability Management](#)
- [Cybrary - Vulnerability Management](#)
- [Pluralsight - Vulnerability Scans with Nessus](#)

## **Governance/Risk/Compliance**

- [The Governance of Information Security](#)
- [FutureLearn Cyber Threats and Risk Management](#)
- [Professor Messer's online risk-related content](#)
- [FutureLearn, BSI](#)
- [FutureLearn, ICO Guide](#)
- [GitHub GRC Repository](#)

## **Network Security**

- [CompTIA Network+ Professor Messer's online content, Cybrary](#)
- [Network Security Basics Pluralsight, FutureLearn](#)
- [Cisco Networking academy](#)
- [Jeremy's IT Lab CCNA course](#)
- [Graphical Network Simulator-3](#)

## **Threat Intelligence**

- [Intro to threat intelligence](#)
- Threat Intelligence - The Big Picture - [Pluralsight](#)
- Threat Intelligence - [Professor Messer](#)
- Threat Hunting - [Professor Messer](#)

## Cybersecurity Books

- Online Danger by Dr.Eric Cole
- Ghost in the wires by Kevin Mitnick
- Women Know Cyber: 100 Fascinating Females Fighting Cybercrime by Steve Morgan Di Freeze Freeze
- The art of Invisibility by Kevin Mitnick
- Hack the Cybersecurity Interview by Ken Underhill, Christophe Foulon, Tia (Yatia) HopkinsThe Cybersecurity Playbook – Allison Cerra
- The Hacker Playbook - Peter Kim
- Countdown to Zero Day – Kim Zetter
- The Code Book - Simon Singh
- Superintelligence: Paths, Dangers, Strategies - Nick Bostrom
- Confident Cyber Security - Jessica Barker
- The Web Application Hacker's Handbook: Discovering and Exploiting Security Flaws - Dafydd Stuttard and Marcus Pinto
- Social Engineering: The Art of Human Hacking - Book by Christopher J. Hadnagy
- Click here to kill everybody by Bruce Schneier

### Educative cybersecurity books for kids

7. The Little Cyber Engineer by Amber DeVilbiss
8. Oh, No ... Hacked Again by Zinet Kemal