

Dissertation Preparation Reading List**No Starch Press:**

Arnold, T & Seitz, J. (2021) *Blackhat Python: Python Programming for Hackers and Pentesters*. 2<sup>nd</sup> Ed. San Francisco, USA: No Starch Press.

Aumasson, J-P. (2021) *Crypto Dictionary: 500 Tasty Tidbits for the Curious Cryptographer*. San Francisco, USA: No Starch Press.

Ball, C. J. (2022) *Hacking APIS: Breaking Web Application Programming Interfaces*. San Francisco, USA: No Starch Press.

Bejtlich, R. (2013) *The Practice of Network Security Monitoring: Understanding Incident Detection and Response*. San Francisco, USA: No Starch Press.

Calderon, P., Chantzis, F., Deirmentzoglou, E., Stais, I., Wood, B. (2021) *Practical IoT Hacking: The Definitive Guide to Attacking the Internet of Things*. San Francisco, USA: No Starch Press.

DiMaggio, J. (2022) *The Art of Cyber Warfare: An Investigator's Guide to Espionage, Ransomware, and Organized Cybercrime*. San Francisco, USA: No Starch Press.

Eagle, C. (2011) *The IDA Pro Book: The Unofficial Guide to the World's Most Popular Disassembler*. 2<sup>nd</sup> Ed. San Francisco, USA: No Starch Press.

Eagle, C. & Nance, K. (2020) *The Ghidra Book: The Definitive Guide*. San Francisco, USA: No Starch Press.

Erickson, J. (2008) *Hacking: the Art of Exploitation*. San Francisco, USA: No Starch Press.

Graham, D. G. (2021) *Ethical Hacking: A Hands-On Introduction to Breaking In*. San Francisco, USA: No Starch Press.

Kohnfelder, L. (2022) *Designing Secure Software: A Guide for Developers*. San Francisco, USA: No Starch Press.

Li, V. (2021) *Bug Bounty Bootcamp: The Guide to Finding and Reporting Web Vulnerabilities*. San Francisco, USA: No Starch Press.

McCarty B. (2021) *Cyberjujitsu: Cybersecurity for the Modern Ninja*. San Francisco, USA: No Starch Press.

McDonald, M. (2020) *Web Security for Developers: Real Threats, Practical Defense*. San Francisco, USA: No Starch Press.

Matthes, E. (2019) *Python Crash Course: A Hands-On, Project-Based Introduction to Programming*. San Francisco, USA: No Starch Press. **[Completed]**

Sweigart, A. (2021) *Beyond the Basic Stuff with Python: Best Practices for Writing Clean Code*. San Francisco, USA: No Starch Press. **[In progress]**

Weidman, G. (2014) *Penetration Testing: A Hands-On Guide to Hacking*. San Francisco, USA: No Starch Press.

### **Wiley Publishing:**

Adair, S., Hartstein, B., Ligh, M. H., Richard, M. (2011) *Malware Analyst's Cookbook and DVD: Tools and Techniques for Fighting Malicious Code*. Indianapolis, USA: Wiley.

Allsopp, W. (2009) *Unauthorized Access: Physical Penetration Testing for IT Security Teams*. Indianapolis, USA: Wiley.

Bachaalany, E., Dang, B., Gazet, A., Josse, S. (2014) *Practical Reverse Engineering: X86, X64, Arm, Windows Kernel, Reversing Tools, and Obfuscation*. Indianapolis, USA: Wiley.

Bullock, J. & Parker, J. T. (2019) *Wireshark for Security Professionals: Using Wireshark and the Metasploit Framework*. Indianapolis, USA: Wiley.

Carpenter, P. (2021) *Transformational Security Awareness: What Neuroscientists, Storytellers, and Marketers Can Teach Us about Driving Secure Behaviors*. Indianapolis, USA: Wiley.

Carey, M. J. & Jin, J. (2019) *Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World*. Indianapolis, USA: Wiley.

Carey, M. J. & Jin, J. (2019) *Tribe of Hackers Red Team: Tribal Knowledge from the Best in Offensive Cybersecurity*. Indianapolis, USA: Wiley.

Carey, M. J. & Jin, J. (2020) *Tribe of Hackers Blue Team: Tribal Knowledge from the Best in Defensive Cybersecurity*. Indianapolis, USA: Wiley.

Carey, M. J. & Jin, J. (2020) *Tribe of Hackers Security Leaders: Tribal Knowledge from the Best in Cybersecurity Leadership*. Indianapolis, USA: Wiley.

Case, A., Levy, J., Ligh, M. H., Walters, A. (2014) *The Art of Memory Forensics: Detecting Malware and Threats in Windows, Linux, and Mac Memory*. Indianapolis, USA: Wiley.

Crawley, K., Wylie, P. L. (2021) *The Pentester Blueprint: Starting a Career as an Ethical Hacker*. Indianapolis, USA: Wiley.

Ferguson, N., Kohno, T., Schneier, B. (2010) *Cryptography Engineering: Design Principles and Practical Applications*. Indianapolis, USA: Wiley.

Grimes, R. A. (2020) *Cryptography Apocalypse: Preparing for the Day when Quantum Computing Breaks Today's Crypto*. Indianapolis, USA: Wiley.

Grimes, R. A. (2021) *Hacking Multifactor Autnetication*. Indianapolis, USA: Wiley.

Khawaja, G. (2021) *Kali Linux Penetration Testing Bible*. Indianapolis, USA: Wiley.

Mitnick, K. D. & Simon, W. L. (2005) *The Art of Intrusion: The Real Stories Behind the Exploits of Hackers, Intruders & Deceivers*. Indianapolis, USA: Wiley.

Negus, C. (2020) *Linux Bible: The Comprehensive Tutorial Servic*. Indianapolis, USA: Wiley. **[In progress]**

Pinto, M. & Stuttard, D. (2011) *The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws*. 2<sup>nd</sup> Ed. Indianapolis, USA: Wiley.

Rasner, G. C. (2021) *Cybersecurity & Third Party Risk: Third Party Threat Hunting*. Indianapolis, USA: Wiley.

Reynolds, M. (2021) *The Art of Attack: Attacker Mindset for Security Professionals*. Indianapolis, USA: Wiley.

Schneier, B. (2015) *Applied Cryptography: Protocols, Algorithms, and Source Code in C*. Indianapolis, USA: Wiley.

Schneier, B. (2021) *Secrets and Lies: Digital Security in a Networked World*. Indianapolis, USA: Wiley.

Shostack, A. (2014) *Threat Modeling: Designing for Security*. Indianapolis, USA: Wiley.

Tanner, N. H. (2019) *Cybersecurity Blue Team Toolkit*. Indianapolis, USA: Wiley.

## **O'Reilly:**

Ramalho, L. (2015) *Fluent Python: Clear, Concise, and Effective Programming*. Boston, USA: O'Reilly.