No Starch Press to Publish UVA Professor's Hacking Book

SAN FRANCISCO (Aug. 20, 2021)—Internationally acclaimed tech-book publisher No Starch Press has announced the September release of *Ethical Hacking: A Hands-on Introduction to Breaking In*, by University of Virginia faculty member Daniel G. Graham, Ph.D.

Developed with feedback from his cybersecurity students, the assistant professor in UVA's computer science department wanted to ensure the book addressed contemporary issues in the field, including penetration-testing techniques not typically covered in textbooks. That's why, from the safety of a virtual lab, readers are guided through a wide range of modern attack methods, like building botnets, implanting malware, and fuzzing for bugs. Later chapters cover trojans, encryption, cryptography, and designing ransomware.
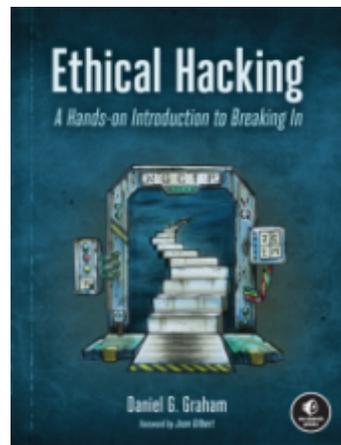
"I hope this will help create the next generation of ethical hackers," Graham said. His goal, he added, is to prepare aspiring pentesters, security researchers and malware analysts for important careers dedicated to protecting the world's technological infrastructure – and that starts with knowing how to attack it. Ethical hackers, Graham explained, use their skills to creatively access systems and discover vulnerabilities before they're exploited by bad actors.

As the book lays out, attacks against companies, sovereign states, and activists have accelerated over the past decade. In 2021, hackers stole more than 100 million dollars in cryptocurrency, attempted to poison the water supply in Florida, and targeted Colonial Pipeline with ransomware, effectively shutting down half of the East Coast's fuel supply.

"Because so much of our productivity depends on technology, attacks on our technological infrastructure can have grave social and economic consequences. Understanding how to defend this infrastructure is not enough. We need more ethical hackers to help secure it," Graham writes in the book's introduction. According to No Starch Press publisher Bill Pollock, this makes *Ethical Hacking* not only timely but "a crucial guide for future tech professionals."

Now available for pre-order on the No Starch Press website, the book is set to start shipping on **Sept. 21, 2021**. More information can also be found on the author's site and github page.

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