BRIAN H. HOROWITZ

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SUMMARY
GIAC-Certified offensive and defensive cybersecurity practitioner
Avid learner | Intrepid cyber competitor | IT professional | Communicator | Tenacious, collaborative problem-solver

CERTIFICATIONS AND EDUCATION
GIAC Experienced Penetration Tester **(GX-PT), GIAC** Certified Penetration Tester **(GPEN)**, **GIAC** Certified Incident Handler **(GCIH)**, **GIAC** Security Essentials Certification **(GSEC), EC-Council** Certified Network Defender **(CND)**

SANS Technology Institute, Rockville, MD—Undergraduate Certificate in Applied Cybersecurity **4.0 GPA**
Cornell University, Ithaca, NY—Completed 62 credits towards BS in Communication, Minor in Applied Economics & Management

SKILLS AND COMPETENCIES
Areas: Network Penetration Testing, Vulnerability Assessment, Digital Forensics and Incident Response (Windows, Linux, Mobile, Cloud), Web Application Penetration Testing, Cloud Penetration Testing, Open Source Investigation, Wireless Penetration Testing
Security Tools: Nmap, hashcat, Wireshark, Impacket, Metasploit, Burp Suite, Sliver, Empire, Hydra, Nessus, Masscan, BloodHound, Seatbelt, Rubeus, Mimikatz, AADInternals, Volatility, Shodan, dnsdumpster, Ghidra, Spiderfoot, aircrack-ng/hcxtools, Autopsy, sqlmap
Scripting: Python, HTML, Powershell, Batch, Bash, JavaScript, SQL, C, PHP, Perl, VBScript
Operating Systems: Windows, Linux (Kali Linux, Ubuntu, Debian, RedHat, CentOS), MacOS, Android/iOS
Cloud technologies: Google Colaboratory (Colab), Microsoft Azure, Amazon S3, Amazon AWS EC2, Google GCP

AWARDS, HONORS, AND ACTIVITIES
NSA Codebreaker Challenge 2022, 2023
Designated NSA Codebreaker Challenge High Performer.

National Cyber League (NCL/Cyber Skyline) 2021-2023 Seasons
Co-led collegiate team to top-3 placement. Top 1%-3% in several individual-participant games. Honored by SANS Institute.

US Cyber Challenge (USCC) National CyberBowl Championship 2020, 2021, 2022
Honored by White House at ACT-IAC Cybersecurity Summit for exceptional performance (1st, 3rd place) in national competition, including both practical enterprise network penetration and defense exercises and executive presentation components.

US Cyber Challenge (USCC) 2020, 2021, 2022
Recognized top scorer in intrusion analysis artifact challenge, invited to attend exclusive regional boot camp.
Finalist at capstone regional CTF event.

Core Netwars Tournament of Champions 2021, 2022
Achieved top 3 placement in non-veteran player category.

COVID-19 Vaccination Assistance Project 2020-2021
Modified open-source tools to auto-register vulnerable seniors for scarce COVID-19 vaccinations and coordinate transport. Self-directed.

US Navy's Hack the Machine Hackathon 2019, 2020
Twice placed 2nd in maritime hardware and software systems practical penetration competition.

SANS Institute Cyber FastTrack, Capture the Flag Competition and Scholarship Program Summer 2020
Among top scoring players in a 48-hour qualifying competition. Recognized as exceptional applicant, awarded full scholarship.

RELEVANT TECHNICAL EXPERIENCE
Freelance Security Researcher, Synack Red Team (SRT), Redwood City, CA   May 2024-Present
- Perform comprehensive penetration tests and vulnerability assessments on enterprise hosts and networks to discover and report high-impact vulnerabilities.
- Collaborate with and support a curated community of cybersecurity researchers.

Teaching Assistant, Developer, US Cyber Challenge (USCC), East Coast and West Coast Camps   Summer 2023-Present
- Assist leading industry and collegiate instructors in a highly selective, invitation-only cybersecurity boot camp and advise attendees on a broad range of cybersecurity topics in an accelerated practical training program, concluding with a capstone CTF.
- Administer student-facing social platform and devise, develop, and deploy bespoke automated feature enhancements. Lead a team to evaluate, implement, and monitor security controls and novel integrations.
- Responsible for support and technical guidance to over 250 students before and during two week-long sessions per season, and for moderating alumni community engagement throughout the year.

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Freelance Consultant, Plainview, NY   2014-Present
- Recommend, design, and deploy customized solutions using novel technologies to fit unique client needs.
- Troubleshoot, resolve technical issues for clients while providing comprehensive education and guidance.
- Create materials tailored to effectively communicate clients' messaging.
- Advocate and negotiate with vendors on clients' behalf.

Co-Founder/Advisor, Neopoet, Manhasset, NY   2007-2014
- Co-designed, maintained innovative CMS platform empowering community-driven effort to curate, publish user-generated content.
- Facilitated website recovery efforts after catastrophic data loss incident, helped develop robust backup procedures to safeguard future data security and integrity.
- Served as liaison between community and developers to guide platform functionality and user experience.