

Ian Cook

614-537-8810 • Washington DC • icook8662@gmail.com • linkedin.com/in/iancookcyber

SKILLS

Programming Languages: Python, Golang, C, Bash, C++, SQL, JavaScript, HTML

Technical Areas:

Pentesting, Scripting, Networking, DevOps, Adversary Emulation, Agile, Secure Development

Security Technologies:

Splunk, YARA/-X, Metasploit, Burp Suite, Ghidra, GDB, Snort, Nessus, Wireshark, Regex, ClamAV

EXPERIENCE

Peraton Labs

July 2022 -Present

Senior Associate, Cybersecurity Research Engineer

Washington, DC

- Developed custom framework in Golang and Python to emulate adversarial network behavior, involving variety of traffic profiles and protocols such as BGP, OSPF, HTTP/s, UDP/TCP, IPSEC, etc
- Wrote C detection modules for novel network threats within FDio's Vector Packet Processing Framework
- Improved legacy code by creating and maintaining CI/CD Pipelines, Unit Tests and Code Coverage tools
- Collaborated across functional teams to track and resolve bugs and lead out on cross-team tasking

Intern/Co-op (11 months)

Washington DC

- Designed and built enterprise level network centered around next generation firewalls
- Performed experiments across various Layer 2 & Layer 3 network configurations, including proxies
- Analyzed and catalogued various PCAP and NetFlow data to tune network threat detection software

BYU College of Life Sciences

March 2022-Dec. 2022

Security Engineer

Provo, UT

- Monitored security event data across 1500+ endpoints using Adlumin XDR and Sophos AV
- Triageed events and performed incident response, with remediation as needed
- Developed and implemented endpoint vulnerability management program through use of Ansible & JAMF
- Mentored Linux and Windows engineers in security best practices and culture

VOLUNTEER EXPERIENCE

Collegiate Penetration Testing Competition

July 2023-Present

Volunteer

- Investigated competition incidents using Splunk & Splunk SOAR
- Built out OSINT content and storylines for CPTC Competition Seasons 9-10
- Interacted with student consultants by acting as a customer within context of a Pentesting Engagement
- Scored and reviewed 100+ student-submitted Pentesting Reports

BYU Cybersecurity Student Association

January 2021 – May 2023

President, CTF Team lead

- Presented frequently to club members on CTFs, Network Security and Intro to Cybersecurity
- Founded the BYU Cyberia CTF team, led team to multiple years of Top 25 US CTF Teams
- Organized & wrote challenges for 6+ public & club CTFs
- Facilitated professional development opportunities by starting an annual student led Research Conference

EDUCATION

Brigham Young University

Bachelor of Science, Cybersecurity

Provo, UT

- GPA 3.51
- Member of the Collegiate Penetration Testing Team, Social Engineering Team, BYU Men's Hockey team
- As a Teaching Assistant, wrote & administered 10+ labs at the junior level teaching Security Engineering

Certificates

- CompTIA CySA+
- CompTIA Security+