

Ian Cook

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SKILLS

Programming Languages: Python, Golang, C/C++, SQL, JavaScript

Technical Areas:

Scripting, Networking (Cisco), DevOps, CI/CD, Docker, Wireshark, Ansible, Agile, Active Directory

Security Technologies:

Splunk, Volatility, Metasploit, Burp Suite, Ghidra, GDB, Yara, Snort, Nessus, Bloodhound

EXPERIENCE

Peraton Labs

July 2023 -Present

Senior Associate, Cybersecurity Research Engineer

Washington, DC

- Developed custom threat emulation framework to dynamically launch network attack techniques
- Wrote C detection modules for novel network threats within Vector Packet Processing Framework
- Increased code coverage of existing detection modules by 20% using Pytest and packet manipulation
- Proactively assisted team members with bug fixes, leading hackathons, and other Agile functions

Peraton Labs

June 2022 – June 2023

Intern/Co-op

Provo UT/Washington DC

- Designed and built enterprise level network centered around next generation firewalls
- Performed experiments across various network configurations by emulating threat behaviors
- 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
- Triaged 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 9 Competition Season
- Interacted with student consultants as a customer, providing educational opportunities

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
- Organized & wrote challenges for 6+ public & club CTFs
- Facilitated professional development opportunities through a student led Research Conference

EDUCATION

Brigham Young University

Bachelor of Science, Cybersecurity

Provo, UT

- GPA 3.51
- Team Member, BYU Collegiate Penetration Testing Team, Social Engineering Team
- As a Teaching Assistant, wrote a junior level course of 10+ labs on CIS Eighteen Security Controls

Certificates

- CompTIA CySA+
- CompTIA Security+
- AWS Academy Cloud Foundations