

Harrison Keating

Major · Computer Science B.S.

harrisonrkeating@gmail.com | <https://www.linkedin.com/in/harrisonrkeating/> | <https://voraci0.us/>

Education

University of Central Florida *Orlando, FL* BACHELOR'S IN COMPUTER SCIENCE 2024

- Minor in *Math* and *Securing Computers and Networks (SCAN)*, National Merit Scholar, 3.995 GPA
- TA for CIS4363 Cyber Defense Analysis, TL for IDH1920H Honors Symposium

Experience

IBM Research *Yorktown Heights, NY* NETWORK ENGINEER (INTERN) May 2023 - August 2023

- Develop Ansible automation for Cisco IOS and NX-OS devices (backups, software upgrades, configuration)
- Deploy and manage ELK stack and write Python tooling to retrieve and ship interface statistics for Cisco ASRs
- Develop Linux bridging support as alternative to Juniper switches for a Red Hat internal project (Python)

Core & Main *Remote* SECURITY ENGINEER (INTERN) May 2022 - April 2023

- Perform incident response for CrowdStrike detections on 5,000+ endpoints
- Fulfill pinhole requests on Palo Alto VM-Series and PA-Series firewalls via Panorama
- Analyze authentication headers (SPF, DKIM, and DMARC) of reported phishing emails
- Design, implement, and monitor honeypots with Zscaler Deception

Kinder Consulting & Parents Too *Orlando, FL* SYSTEM ADMINISTRATOR May 2021 - Nov 2021

- Managed hybrid Azure environment with Active Directory and Azure Virtual Desktops
- Developed Python Django app to provision accounts for new clinicians
- Maintained inventory for 100+ employees and made needed requisitions

Projects

Cybersecurity Competitions *UCF Collegiate Cybersecurity Competition Teams member*

- Blue Team - **specialize in firewall management (Palo Alto, Cisco, VyOS, and pfSense) for network defense**
 - 1st place team, National Collegiate Cyber Defense Competition (NCCDC) 2022 as networking lead
 - 1st place Southeast region and 3rd place national team, NCAE CyberGames 2022 as team captain
 - 1st place team, Information Security Talent Search (ISTS) 2023 as team captain
 - 2nd place team, Department of Energy CyberForce 2022 as team captain
- Red Team - **specialize in scanning and enumeration (nmap, masscan) for network penetration testing**
 - 1st place team, MISI Hack the Building 2.0 Hospital Edition as team captain
 - 1st place Southeast region and 3rd place Globals team, Collegiate Penetration Testing Competition (CPTC) 2023
- Capture The Flag - **specialize in network traffic analysis (Wireshark, tcpdump)**
 - 3rd place team DEFCON 31 Capture the Packet (two-person team)
 - Top 70 individual placement in US Cyber Games Open, qualifying for US Cyber Games Combine
 - Participate in NSA Codebreaker Challenge, CSAW Qualifiers, National Cyber League, and more

Horse Plinko Cyber Challenge *Founder / Organizer*

- Originate and develop the first student-run cyber defense competition at UCF (<https://plinko.horse>), for 150+ competitors
- Oversee development of Terraform, Ansible, and PowerShell scripts to deploy virtual environments at scale
- Oversee design of vulnerable Linux and Windows systems for competitors to defend, including Active Directory and web services
- Set up Unifi access point / router combos with dynamic VLAN assignment and WireGuard site-to-site tunnel

Qualifications

A+, Linux+, Security+ CompTIA, CCNA Routing and Switching *Cisco*

Languages Python, PHP, SQL, C

Skills System Administration (Windows, Linux, OpenBSD), Traffic Analysis, Firewall Management, Docker, Kubernetes, AWS, Ansible, Terraform