102 Schuyler Drive
Huntersville, NC 28078

Joseph Clay

(828)412-7800
clayjoseph1994@gmail.com

Desiring a Penetration Testing or Red Team role that challenges, while also providing a platform for success and growth

CERTIFICATIONS & CERTIFICATES:

eJPT, CompTIA Security+ ce, Cybersecurity Certificate, HTML, CSS, and JavaScript Fundamentals online class certificates

TECHNICAL SKILLS:

Application development and life-cycle management	Communicate information in layman's terms	Adaptable and eager for new challenges	Building and repairing computers
Networking: Packet analysis, Wireshark, router and switch configuration, protocols, SSH, firewalls, iptables, proxies, SIEM, DNS, DHCP, VPN, and VLAN	Systems: Windows and Linux administration, Windows and Linux hardening, Docker, containerization, VMWare, VirtualBox, Ansible, and system configuration	Secure network design, identity and access management, risk management, vulnerability assessment, honeypots	Penetration Testing: Kali Linux, Metasploit, NMAP, Hashcat, SQLMap, Nikto, Dirbuster, BurpSuite, John the Ripper, MSFVenom, Merterpreter, netcat
Programming and scripting: Python, bash, zsh, YAML, json and PowerShell	Django rest API, Azure DevOps, Git, VSCode, nxlog, auditd, Sysmon, and VNC	Troubleshooting workstation, server and network issues	Capture the Flag events, hacking challenge walkthrough write-ups

PROFESSIONAL EXPERIENCE:

Information Security Engineer at Circadence Corporation (Remote- Boulder, CO) **Oct 2020-Present**

- Cultivating Python and YAML skills creating scenarios for Project Ares, a gamified cybersecurity training platform
- Troubleshooting program bugs causing scenarios to be unplayable, and resolving the issues in a timely manner
- Navigating a complex infrastructure hosted in Azure, and getting acquainted with a plethora of technical tools
- Utilizing SaltStack to make run-time configuration changes to the services and states of VMs used by scenarios
- Playing through scenarios involving webapp pentesting using tools like Nikto, BurpSuite, Dirb, SQLMap, Hydra

Cybersecurity Bootcamp Senior Tutor (Remote- Charlotte, NC) **July 2020-Present**

- Promoted to Senior tutor level due to high session volume helping students
- Prepare students to succeed in Cybersecurity and Security Plus certification
- Create and utilize Python and Google API scripts to assist in job tasks such as emailing reminders

Network Operations Center Technician at Global Linking Solutions (Charlotte, NC) **Jan 2020-Oct 2020**

- Used CLI on Cisco systems to remediate tickets in queue within established SLAs
- Monitored networks and troubleshoot connectivity issues with carriers, technicians, and sites
- Mapped out network topologies, configured subnets, and learned about various networking devices
- Worked with equipment from vendors including Cisco, Fortinet, Adtran, Juniper, and Palo Alto

Cybersecurity Bootcamp Teaching Assistant at UNC Charlotte (Remote, Charlotte, NC) **June 2020-Dec 2020**

- Provided support to lead instructor in a Cybersecurity program to ensure student success
- Created and enacted lesson plans to ensure students had skills necessary to pursue security careers

EDUCATION:

- Cybersecurity Bootcamp Program, UNC Charlotte with 4.0 GPA (Charlotte, NC) **Aug 19, 2019-Feb 24, 2020**
- Bachelor of Arts in Psychology, UNC Asheville with 3.627 GPA (Asheville, NC) **Aug 2015-July 2017**

LinkedIn
GitHub
Personal Website
Verify Sec+ (Code: 1KVDVBYNSGEQ19C0)
eJPT Certificate(ID: 2892204)

HackTheBox Profile
TryHackMe Profile
CodePen(WebDev)
Project Ares

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TRAINING/OTHER EXPERIENCE:

Cyber Ranges (HacktheBox, TryHackMe, VulnHub, Project Ares, CTFs) **July 2019-Present**

- Placed 5th in the SecureCodeWarrior B-Sides Charlotte 2020 CTF Competition
- Joined HacktheBox by hacking the website (completed 5 user and 5 system owns)
- Joined TryHackMe and began working on the Offensive Pentesting path
- Set up my own lab with Kali Linux and various VulnHub boxes to practice Pentesting skills
- Working on completing all of the offensive (and some defensive) scenarios Project Ares has to offer
- Writing my first walkthrough for a box named NullByte from VulnHub

Udemy Courses (Web Developer Bootcamp, Python Bootcamp, Practical Ethical Hacking) **July 2020-Present**

- Diligently studying these courses and constructing projects using the skills along the way
- Completed approximately 40% of the Python Bootcamp (the Udemy course I am most invested in)
- The Practical Ethical Hacking course provides a myriad of techniques and foundational knowledge for penetration testing; it values practical knowledge and instruction rather than just conceptual, Q&A style learning
- These courses provide hands-on experience with a lot of common tools, and allowed me to build some of my own simple tools as well
- Established a GitHub, and have been trying to consistently add to it as I encounter new courses and project ideas along the way

INE eJPT Course for Junior Penetration Tester Certification **April 27, 2021-May 1, 2021**

- Provided by INE and provides preparation for the eLearnSecurity Junior Penetration Tester certification exam
- Learned essential penetration testing skills and methodologies, network and WebApp vulnerability assessment, exploitation with Metasploit, OSINT information gathering and recon, TCP/IP knowledge, etc.
- Passed the exam in less than 7 hours with a score of 90% after studying for 5 days

Cybersecurity Bootcamp Program (UNC Charlotte) **Sep 2019-Feb 2020**

- Gained experience with Penetration Testing, Kali Linux, BurpSuite, Metasploit, Wireshark, Nessus, Bash and Powershell Scripting, Web Vulnerabilities, DVWA, Metasploitable VM, ELK Stack, Windows and Linux Administration and Hardening, Risk Management, Identity and Access Management, Cloud Security
- Built and configured a virtual network hosting an Ansible Docker container of DVWA, monitored using an ELK stack server set up with FileBeat and MetricBeat to log system and application information (Posted this as a project on my GitHub account)
- Attended the Charlotte, NC Cybersecurity Hackathon CTF event where WebApp pentesting skills were taught (The task was to compromise a site called Shadow Bank by enumerating the website, and injecting payloads/exploiting SQL vulnerabilities to route money to your account from another account)

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