

Charles A. Adams IV

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Portfolio: <https://caadams4.github.io/> | **CTF Writeups:** <https://caadams4.github.io/cyberblog/>

PROFESSIONAL SUMMARY

A veteran with 8 years of experience in DoD system administration pivoting to security engineer. University education consisted of software and security engineering. I am a capture-the-flag competitor who participates in weekly competitions. I have earned the GFACT, GSEC, and GCIH (IAT Level III) certifications, and training for the Offensive Security Certified Professional (OSCP). I enjoy hacking computer systems. Active DoD Secret Clearance.

SKILLS

- **Programming Languages:** JavaScript; Python3; C/C++; Bash; Powershell; x86 Assembly
- **Tech:** Windows; Linux; POSTGRES SQL; SQLMap; MongoDB; AWS; GCP; Active Directory; Ghidra; Nessus; web applications; Nmap; Metasploit; Wireshark; Cobalt Strike C2; Burp Suite; Hashcat; John the Ripper; Powershell
- **General:** incident handling; network security; vulnerability scanning; web app security; firewall configuration; network packet analysis; Lockpicking; CTFs; software engineering; scripting; automating tasks; SQL injections

EDUCATION

University of Delaware

Aug 2020 - May 2024

- **Major:** B.S in Computer Science with a concentration in Cybersecurity - 3.53 GPA
- **Clubs:** University of Delaware Capture the Flag - President (2023-2024 academic year)
- ***Note*** I have two night classes to finish my degree and will be completed Spring 2024 semester

WORK EXPERIENCE

Security Engineer Intern

Google

May 2023 - Aug 2023

- Developed internal tools to automate manual quality assurance (QA) tasks for Mandiant Security Validation (MSV) content. The project has a frontend UI, a supplemental command line tool, and a Flask API backend. The newly automated process will save 20 worker hours per month.
- Proposed and implemented design changes to internal tools project design that eliminated 20% of development and enabled the integration of my internal tools into the existing QA processes
- Designed and developed a front-end web app to interact with Google Drive API using OAuth2.0 and GCP
- Researched KOVTER fileless malware, ran and observed KOVTER in a sandbox environment, and created automated cyber attack content packs using KOVTER and TTPs of known adversaries on the MSV platform

System Administrator

United States Marine Corps

Aug 2012 - Aug 2020

- Conducted physical and computer security assessments as an appointed DoD information system security officer (ISSO) to ensure security governance and compliance policies and procedures are followed
- Led teams of 5 employees in 11 expeditionary deployments to build computer and radio networks overseas
- Automated 20 system administration tasks on systems with Bash and Python scripting
- Performed vulnerability analysis on 6 Windows and Linux servers and account audits of over 500 users
- Conducted cybersecurity best practices and social engineering awareness training for over 300 employees
- Led 3 process improvement projects in aviation manufacturing, each with a diverse team of up to 15 members. One of the three projects I led aimed to improve the KC-130 propeller repair process, resulting in a monthly savings of \$24,000 in maintenance and manpower costs.