

Caleb A. James

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PROFESSIONAL SUMMARY

Cybersecurity-focused Information Technology student at George Mason University with hands-on experience in threat analysis, AI policy research, and offensive security techniques. Demonstrated technical depth through national CTF competition placement, active directory lab construction, and undergraduate research at Virginia Tech. Holds a Fortinet Certified Fundamentals in Cybersecurity certification and a 3.65 GPA.

EDUCATION

George Mason University, Volgenau School of Engineering

Fairfax, VA

Intended B.S., Information Technology, Concentration in Cybersecurity. Dean's List (Fall 2024, Spring 2025, Fall 2025, Spring 2026). GPA: 3.65 (Weighted).

EXPERIENCE

Undergraduate Researcher

November 2024 – May 2025

Virginia Tech – IDEEAS Labs

- Conducted research with a team on artificial intelligence, LLM models, and nationwide institutional AI policies, culminating in a 150+ page research paper and an AI-powered national policy database.
- Built an AI-powered web database using Python, BeautifulSoup, and Hugging Face to collect, format, and organize AI policy data from 400+ higher education institutions, including Harvard, MIT, and Princeton.

Ride Operations Supervisor

February 2023 – August 2026

Six Flags – Kings Dominion

- Supervised ride operations across multiple large attractions and heavy machinery at Kings Dominion.
- Earned Corporate Certified Trainer status and received 6 company awards for operational excellence and efficiency.
- Led large, diverse, and dynamic teams from across the world.

PROJECTS

National Cyber League Tournament Placement

October 2025

- Placed in the top 25% nationally in the NCL Fall 2025 Individual Game Standard Tournament Bracket, competing across web exploitation, cryptography, and forensics categories, earning a full score in forensics.

Vulnerable Active Directory Lab Build

August 2026

- Constructed a home-lab environment with a domain controller and two workstations, deliberately introducing common misconfigurations to analyze attack paths including Kerberoasting, Unconstrained Delegation, and GPO Abuse.

ACTIVITIES & LEADERSHIP

GMU Competitive Cyber Club

September 2025 – Present

Member

- Compete regularly in CTF hacking tournaments and attend technical and cybersecurity-related events.

Google Developers Group at GMU

September 2025 – Present

Member

- Participated in the GMU Hackathon and co-organize GDG conferences and meetings focused on fostering networking and hands-on technical learning.

SKILLS

Offensive Security: Web Exploitation, Cryptography, Digital Forensics, Active Directory Security, Kerberoasting, Unconstrained Delegation, GPO Abuse, CTF Competition, Burp Suite, Metasploit, Nmap, Cobalt Strike, BloodHound, OWASP ZAP

Defensive and SOC: Splunk, CrowdStrike Falcon, Wireshark, Sigma Rules, MITRE ATT&CK, Elastic Stack

Cloud and Infrastructure: AWS Security, Azure AD, Terraform, Linux Hardening, Python, Bash

Research and Development: BeautifulSoup, Hugging Face, AI/LLM Research, Home Lab Administration, Network Infrastructure, Domain Controller Administration, Fortinet Security Products

CERTIFICATIONS

- Fortinet Certified Fundamentals in Cybersecurity