DUNCAN ANTHONY
dunko.anthony@gmail.com | 703-989-9571

Summary

I am a Virginia Tech graduate with a degree in computer engineering. I am looking for a software development, security analyst, or security engineering role. I have a strong software programming background and relevant work experience through my internship with Feith Systems.

Education

Virginia Polytechnic Institute and State University, Blacksburg, VA (May 2025)

BSCPE - Bachelor Science in Computer Engineering

- Specialization: Cybersecurity and Computer Networking
- Related Courses: Computer and Network Security Fundamentals, Applied Software Design, Network Application Design, Machine Learning, AI & Engineering Applications

Professional Experience

Feith Systems, Cybersecurity Intern (May 2024 - August 2024)

- Liaised with vendors to deploy and configure third party applications for end-point data collection, software composition analysis, posture analysis, and penetration testing

Key Achievements:

- Reduced critical vulnerabilities on production servers by 80%
- Reduced application based vulnerabilities on employee endpoints by 70%
- Built first complete asset inventory for company and production systems
- Developed software that prioritized vulnerabilities based on severity and known exploits

Blackbear Sports Group, Data Analyst (November 2022 - January 2023)

- Data report collection and organization
- Completed a data analysis project verifying sales and use of 33 ice rinks

Skills & Languages

- Experience in C/C++ (4 years), Python (4 years), JavaScript (1 year), Verilog, MIPS Assembly

Relevant University Projects

Encryption Algorithm Analysis (Senior Project)

- Wrote research paper sponsored by DoD that analyzed performance of brute force techniques against different encryption and hashing algorithms. Developed software that analyzed encryption algorithms and determined cost to decrypt given a certain iteration ability.

ML-Based Network Intrusion Detection System

- Trained machine learning models using CIC datasets to analyze user network activity and identify key attacks. Developed a radial basis function SVM that could identify DOS based attacks with a F1-score of 80.