Carl Lochstampfor, Jr.

LinkedIn | GitHub | e-Resume | ODU Portfolio

PROFESSIONAL SUMMARY

Cybersecurity undergraduate at Old Dominion University (**3.9 GPA**) with **CompTIA Security+, Network+, and A+** certifications. AI security researcher with two arXiv preprints on synthetic fraud detection (COVA framework, under review at IEEE DASC and IEEE BigData 2026) and a live dataset platform (ScamLingua.org). Background includes over a decade in high-risk, regulated financial environments (FNMA, FHLMC, FHA, VA), applying the same rigor to incident response, system hardening, and AI governance. Proven record of managing **3× standard workloads** while sustaining **95%+ accuracy**.

TECHNICAL SKILLS & CERTIFICATIONS

- **Certifications:** CompTIA Security+, Network+, & A+ (Completed)
- **Cybersecurity:** Incident Response, Risk Mitigation, Regulatory Compliance, AI Governance, Vulnerability Assessment, System Hardening, Network Defense, Log Analysis, Data Integrity, Policy Enforcement, Python Scripting
- **Tools & Protocols:** Nmap, Wireshark, pfSense, Snort, tcpdump, Rescuezilla, VirtualBox, Bruter, netstat, tasklist, gpedit.msc, Event Viewer, iptables, SSH, RDP
- **AI/ML Frameworks:** XGBoost, scikit-learn, Hugging Face Transformers, PyTorch, DistilBERT, Longformer, Ollama, Qwen 2.5 14B
- **Development:** Python (Secure Socket Programming, ML Pipelines), HTML, CSS, JavaScript, SQL, React, C#/.NET, GitHub
- **Platforms:** Windows 10/11, Windows Server, Kali Linux, Ubuntu Linux, Debian Linux, BSD/pfSense, Home Lab Environment

AI SECURITY RESEARCH

COVA: Multi-Agent LLM Framework for Elder-Fraud Detection — *arXiv:2604.11752 | IEEE DASC 2026 (Under Review)*

Lead author. Designed and implemented a multi-agent generation pipeline using **Qwen 2.5 14B via Ollama** to produce **3,201 labeled synthetic scam conversations** across 8 elder-fraud categories. Engineered 28-feature extraction with TF-IDF, achieving **72.5% baseline accuracy** with XGBoost. Built v2 label-audit tooling that corrected 1,594 mislabeled conversations.

COVA-X: Scaling Synthetic Fraud Conversations with Transformer Classification — *arXiv:2606.06879 | IEEE BigData 2026 (Under Review)*

Lead author. Scaled dataset to **10,985 conversations** across dual-GPU workstations. Designed three-role virtual-kidnapping architecture reducing artifact rates by **20 percentage points**. Longformer achieved **79.71% accuracy / 0.779 macro-F1**, confirming data-scale hypothesis from COVA.

ScamLingua.org — Self-built distribution platform for COVA research datasets. Designed with trust-focused web engineering principles and CSP hardening.

CYBERSECURITY PROJECTS

Secure File Sharing System (Python TCP Sockets) — *Milestone Project*

Engineered an encrypted client-server application using Python TCP sockets featuring secure user authentication and isolated directories. Implemented data-integrity checks and defensive Python error handling to ensure resilient file operations and secure communication.

APPLIED CYBERSECURITY COURSEWORK

- **Incident Response & Forensics (NIST SP 800-61):** Performed full IR lifecycle after brute-force attack; executed **Nmap** scans, analyzed logs, captured volatile data (**netstat, tasklist**), and applied **GPO** controls to prevent recurrence.
- **Operating System Hardening:** Improved Windows and Linux security baselines by configuring **Group Policy Objects** for access control and auditing failed logins. Hardened Metasploitable and Linux systems using **iptables**.
- **Network Defense & Firewall Security:** Conducted reconnaissance, disabled insecure services (FTP/Telnet), and configured **SSH** for encrypted remote administration using **pfSense**.
- **Intrusion Detection & Packet Capture:** Deployed **Snort IDS** on a Linux sniffer, captured and analyzed PCAP data using **tcpdump/Wireshark**, and identified port scans and brute-force attempts.
- **Disaster Recovery & Data Resilience:** Designed multi-system backup strategy for Windows/Linux/BSD systems; automated encrypted configuration transfers using **WinSCP** for ransomware resilience.

PROFESSIONAL EXPERIENCE

Cardinal Housing, LLC | Jacksonville, FL | *2012 – 2024 (Closed)*

Property Management and Estate Fiduciary

- Managed a self-owned real estate portfolio for **12+ years** and served as a fiduciary for two private estates, overseeing **100%** of legal, financial, and physical asset distribution.
- Ensured full adherence to housing regulations and probate laws through meticulous record-keeping, safeguarding sensitive financial documentation and confidential legal data.

BlueHub Capital (SUN) | Boston, MA | *2021 – 2022*

Foreclosure Relief Underwriter

- Supported internal bank examinations and compliance audits, safeguarding corporate financial interests through strict adherence to regulatory standards.
- Led research, vendor evaluation, and deployment of a secure SMS communication platform, maintaining data protection and compliance.

EverBank & TIAA Bank | Jacksonville, FL | *2017 – 2021*

Loss Mitigation Underwriter

- Maintained a **97% average** on Quality Right Party Contact Monitoring Reports, ensuring compliance with **OCC Consent Orders**.
- Managed a loan portfolio **3× the average workload**, sustaining **95% performance accuracy** through strong process management.

EverBank & Ditech Financial | Jacksonville, FL | *2011 – 2014*

SPOC Relationship Manager

- Directed a high-volume loss mitigation pipeline, exceeding investor rate benchmarks by **30%** through workflow optimization.

AmeriCorps Habitat for Humanity | Jacksonville, FL | *2009 – 2011*

Construction Team Leader

- Supervised and motivated up to **150+ volunteers per day** across multiple residential construction projects, delivering **100+ completed homes** while maintaining **98% quality standards**.

EDUCATION

Old Dominion University — B.S. Cybersecurity | GPA: 3.9 | Expected: May 2027

Jax Code Academy — Web Development Certificate | 2023

Roanoke College — B.A. Criminal Justice & Philosophy | 2009