

BRYAN NDUM

(984) 274-7193 | bryanndum12@gmail.com | LinkedIn: Bryan Ndum | GitHub: Bryan-Ndum
Pembroke, NC | Open to Relocation & Remote Work

PROFESSIONAL SUMMARY

Cybersecurity entrepreneur and software engineer with proven success building innovative security solutions. Founded AfroSecured, a cybersecurity venture selected as Top 100 in Global CEO Pitch Competition from nationwide applicants. Experienced in full-stack development, data analytics, IT operations, and risk assessment. Strong technical foundation with hands-on experience in Python, SQL, and security frameworks. Demonstrated leadership through entrepreneurship, research, and cross-functional collaboration.

EDUCATION

Bachelor of Science in Cybersecurity | Minor: Computer Science & Economics

University of North Carolina at Pembroke | Expected December 2025 | GPA: 3.61

Relevant Coursework: Software Development, Database Security, Network Architecture, Digital Forensics, Object-Oriented Programming

Honors: 6X Dean's List | Maynor's Honor College Honoree | Brave Scholars Award | 2025 Hack UNCP Winner

ENTREPRENEURSHIP & LEADERSHIP

Founder & CEO | AfroSecured

Oct 2024 - Present

- Top 100 Global Pitch Competition Winner:** Selected from nationwide applicants to compete at Global CEO Conference in Tampa, FL (Oct 30 - Nov 1, 2025)
- Founded cybersecurity venture addressing online trust and fraud prevention through Visa verification integration and multi-factor trust signals
- Built initial product solo in 36 hours at HackHarvard 2025, demonstrating technical execution and entrepreneurial focus
- Developing platform to help users verify transaction authenticity and website legitimacy before proceeding, reducing exposure to phishing attacks and fake investment platforms
- Represented venture on global stage, networking with innovators and securing mentorship from industry leaders
- Leading product development roadmap, user research, and go-to-market strategy with co-founder

PROFESSIONAL EXPERIENCE

Data Analytics Extern | TruBridge, Remote

Sep 2025 - Present

- Analyzed healthcare datasets using Python (Pandas, NumPy, Matplotlib) to identify infection trends and deliver business insights
- Cleaned and structured raw data in Google Colab, improving data quality by 40% for accurate reporting
- Created data visualizations to communicate findings to technical and business stakeholders

IT Intern | WorldStrides, Villanova, PA

Jun 2025 - Aug 2025

- Resolved 10+ technical issues weekly, improving system reliability for 100+ staff members
- Configured and maintained 50+ hardware/software setups, optimizing operational efficiency
- Collaborated with IT team to implement network security updates, reducing vulnerabilities by 15%

Software Development Intern | AI Music Recommendation System, Remote

Jan 2025 - Present

- Developed AI-driven music recommendation system using Python, JavaScript, and machine learning algorithms
- Integrated Spotify API achieving 90% accuracy in personalized suggestions, improving user engagement by 60%
- Built responsive web interface using HTML, CSS, and JavaScript for seamless user interaction

Cybersecurity Undergraduate Researcher | University of North Carolina at Pembroke

Mar 2024 - Dec 2024

- Developed and tested P4 programs for software-defined networking (SDN) security applications
- Configured Open vSwitch (OVN) for network simulations, increasing throughput by 25% and reducing setup time by 40%
- Conducted research on self-driven secure networks, contributing to 20% improvement in network resilience

KEY PROJECTS & COMPETITIONS

- AfroSecured - HackHarvard 2025:** Built cybersecurity platform solo in 36 hours addressing online trust and fraud prevention. Integrated Visa verification and trust signals to help users verify transaction authenticity (Oct 3-5, 2025)
- AI Cybersecurity Agent (VenomAI):** Built web-based AI assistant using Python and OpenAI API, automating 8+ security tasks and improving analysis speed by 60%. Integrated 6+ security tools (Nmap, VirusTotal, WHOIS)
- Automated Intrusion Detection System:** Developed ML-powered IDS using Python and scikit-learn, achieving 85% detection accuracy against simulated network attacks

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, Bash, HTML/CSS, P4

Frameworks & Tools: Pandas, NumPy, Matplotlib, Git/GitHub, REST APIs, Flask

Cloud & Platforms: Google Colab, Linux, Windows, MacOS

Security Tools: Qualys, Wireshark, Nmap, IDS/IPS, Metasploit

Business Tools: Microsoft Excel, JIRA, Confluence, Tableau

Specializations: Cybersecurity, Data Analytics, Full-Stack Development

CERTIFICATIONS & RECOGNITION

Competitions: Top 100 Global CEO Pitch Competition (2025) | HackHarvard Participant (2025) | Hack UNCP Winner (2025)

Certifications: Qualys Guard Vulnerability Management (Dec 2024) | CompTIA Security+ (Expected Dec 2025)

Leadership: President, NSBE UNCP Chapter (Apr 2025 - Dec 2025) | Treasurer, African Student Organization | Emerging Leaders Certification, Truist Leadership Institute

Affiliations: UNCP ACM Chapter, National Society of Black Engineers (NSBE), ColorStack, Blacks in Cybersecurity (NCA)