Stacey Baror

Brooklyn, NY | staceybaror@gmail.com | U.S. Permanent Resident ? Authorized to work in the U.S. | GitHub | Google Scholar

Professional Summary

Results-driven Cybersecurity Analyst and Project Manager with a Ph.D. in Computer Science (Conferred Sept 2025), specializing in NLP and machine learning applications in forensic readiness. Over 8 years of combined experience in software development, cyber threat detection, risk management, and government-aligned digital forensics systems. Expert in implementing NIST-aligned frameworks, conducting SIEM analysis, coordinating secure software lifecycle projects, and improving public sector cyber response through scalable microservice systems. Authorized to work in the U.S. with no sponsorship required. Seeking opportunities in city government, cybersecurity operations, and GRC compliance roles.

Core Competencies

Cybersecurity Risk Analysis · Governance, Risk & Compliance (GRC) · NIST/ISO 27001 Frameworks · Digital Forensics & SIEM · Vulnerability Assessment · Incident Response · Python · Project Management (PMP-In Progress) · Microservices & Secure SDLC · Public Sector Cybersecurity · Threat Modeling · MITRE ATT&CK · Splunk · Security Onion

Professional Experience

Software Technical Project Co-Ordinator & Lecturer

University of Pretoria, South Africa ? Current

Led a team of 5 to design and implement cybersecurity systems, achieving a 23% increase in project throughput.

Translated government-aligned software product requirements into secure, testable modules used for education and research.

Supervised the development of over 200 academic and applied digital systems, fostering the adoption of secure design strategies.

Delivered technical documentation, group facilitation, and mentorship aligned with U.S.-style agile methodologies.

Developed reporting and compliance-ready documentation for auditing and performance reviews.

Cybersecurity Projects & Labs

DFR Human Communication Interaction (HCI) System ? 2019?2025

Led the design of a 17-service microservice cybersecurity architecture to detect and trigger text-based cybercrime alerts.

Integrated log pipelines (Security Onion, Zeek), machine learning models, and incident response workflows.

Documented Blue Team scenarios, phishing detection, and SIEM-based forensic investigations.

Security Onion & Splunk Labs

Performed log correlation and behavioral analysis using Zeek and Suricata.

Investigated attack patterns, implemented detection rules, and built post-incident forensic summaries.

Education & Certifications

Ph.D., Computer Science (Conferred September 2025)

University of Pretoria

ISC² Cybersecurity Certification ? 2024

Blue Team Level 1 (BTL1) ? In Progress

Project Management Professional (PMP) ? Target Completion: August 2025

Technical Skills

Python · Java · SQL · Docker · Git · ELK Stack · Splunk · Security Onion · Wireshark · MITRE ATT&CK · HTML · CSS · JavaScript · Excel · PowerPoint

Professional Affiliations

ACM SIGSAC · American Academy of Forensic Sciences (AAFS) · ISC² Cybersecurity · IEEE Cybersecurity Community