

KHADIJA TAKI

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Languages: English (Native) | French (Native) | Arabic (Native) | Spanish (Fluent)

EDUCATION

Carnegie Mellon University - Heinz College, Pittsburgh, PA Aug 2025 - May 2027
M.S. in Information Security Policy and Management (MSISPM) | QPA: 3.83 (Distinction) | Boeing Scholarship
George Washington University, Washington, DC Aug 2023 - Jun 2025
B.S. in Cybersecurity | Summa Cum Laude | GPA: 3.95 | WiCyS Scholarship | Dean's List

TECHNICAL SKILLS

Security: Incident Response, MITRE ATT&CK, MITRE ATLAS, Threat Intelligence, Risk Management (NIST 800-61, OCTAVE FORTE), Vulnerability Assessment, Compliance Auditing, Network Security

Tools: Wireshark, Nessus, Nmap, Splunk, Metasploit, AWS (IAM, Lambda, S3, CloudTrail), Python, SQL, R, Linux, Git, Cisco Packet Tracer

Frameworks: NIST 800-53, NIST 800-171, ISO 27001, GDPR, AI Governance, Critical Infrastructure Protection

CERTIFICATIONS

IBM Quantum Enigmas (2026) | MITRE ATT&CK® MAD20 (2025) | Google Cybersecurity Professional V2 (2025) | AWS Cloud Practitioner (2024) | (ISC)² CC (2024)

PROFESSIONAL EXPERIENCE

Cyber Security Forum Initiative (CSFI) Jan 2025 - Present

Executive Assistant, Office of the President & Strategy Team | Senior Fellow, Middle East & Africa

- Coordinated cyber readiness activities across multinational defense exercises involving international stakeholders, facilitating interagency partnerships aligned with national security priorities and allied defense objectives
- Synthesized open-source and classified threat intelligence into strategic briefings for CSFI President and defense stakeholders, supporting U.S. and allied security objectives

Mike Isabella Concepts at Marriott Marquis, Washington, DC Mar 2017 - Feb 2019

Operations Manager

- Led 15-20 staff in a 200+ seat high-volume restaurant, achieving 95% customer satisfaction and reducing waste by 20%
- Managed financial reporting (\$30K-\$50K weekly sales), vendor coordination, and scheduling; reduced labor costs 10%

PROJECTS & RESEARCH

BlastMap - AWS IAM Blast Radius Analysis Tool 2025 - 2026

- Built cloud security framework mapping IAM privilege escalation to MITRE ATLAS adversarial AI tactics; selected for CMU Scholar to Scholar Showcase (March 2026)
- Achieved 91.9% blast radius reduction (62/64 to 5/64), 0% functionality loss, and 6/6 ATLAS tactics mitigated across 50 Lambda invocations per phase

Space Cyber Crew - Multi-Agent OSINT Pipeline 2025 - 2026

- Developed AI-driven threat intelligence pipeline (Python, CrewAI, OpenAI API) with 4-agent OSINT workflow producing analyst-ready briefs on satellite and ground infrastructure threats

BreachGuard - Password Breach Aggregator & Policy Analyzer 2025

- Aggregated 10,000+ breached credentials via Have I Been Pwned API and CISA KEV feed, reducing manual review time by 40% through automated parsing and risk categorization

Incident Response Blueprint - Project Lead 2025

- Designed enterprise IR program (NIST 800-61) for simulated Fortune 500 environment with 6+ playbooks, escalation paths, and role-based response matrices

SPEAKING & LEADERSHIP

- CMU Scholar to Scholar Showcase (Mar 2026):** Presented BlastMap research on adversarial AI risk in cloud IAM to CMU faculty and graduate students
- Cybersecurity, Stronger Together - GWU (Feb 2026):** Invited speaker on cyber resilience and cross-sector collaboration to government and industry partners
- 2028 Olympics Cyber Tabletop - GWU (Feb 2026):** Multi-sector IR simulation coordinating detection, containment, and recovery across public/private stakeholder teams

PUBLICATIONS

- Taki, K. (2026).** *Quantum Risk and the Governance Gap: Strategic Cybersecurity in an Era of Cryptographic Uncertainty.* Working Paper, CMU Heinz College.
- Taki, K. (2026).** *Space Cyber Crew: A Multi-Agent OSINT Pipeline for Satellite and Ground Infrastructure Threat Intelligence.* Working Paper, CMU Heinz College.

AFFILIATIONS

CSFI Senior Fellow, Middle East & Africa (2025-Present) | WiCyS Member & Scholarship Recipient (2023-Present) | (ISC)² CC Community (2024-Present) | CMU Quantum Club (2025-Present)