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https://anchor.fm/professor-cyber-risk

High-performing executive professional with over 18 years of dynamic and challenging experience spearheading cybersecurity initiatives and information technology innovation. Frontrunner with expertise in cyber defense strategies, training methodologies, securing government networks, and counterintelligence. Foster and strengthen public and private sector relationships, including key stakeholders, government agencies, and strategic partnerships. Subject matter expert in risk management and mitigation to identify pitfalls, analyze opportunities for improvement, and create operational plans to secure data, networks, and confidential information. **Areas of Expertise include:**

- Cybersecurity Strategy
- Counterintelligence
- Data Governance Initiatives
- Risk Assessment & Mitigation
- Data Analysis & Integrity
- Project Management
- Information Assurance
- Cyberwarfare Plans & Operations
- Technology Management

## Professional Experience

**NATIONAL SECURITY AGENCY (NSA)** • Fort Meade, Maryland / San Antonio, Texas • 2005 – 2009, 2013 – Present

### Senior Cryptologic Advisor to the Deputy Commander – Joint Force Headquarters – Cyber (Air Force)/16<sup>th</sup> Air Force (July 2021 – Present)

Lead the site wide recovery, and resiliency response to the COVID-19 Pandemic.

- Primary Strategic Advisor to the Deputy Commander for engagement and relationship with the National Security Agency
- Responsible for mission collaboration and integration between JFHQ-C(AF)/16<sup>th</sup> AF and NSA organizations
- 1<sup>st</sup> incumbent in position worldwide, establishing precedents, procedures and CONOPs for Cryptologic Advisory positions across the global enterprise.
- Intelligence Community Joint Duty Assignment

### Command Action Group – Lead for NSA in Texas (Aug 2020 – July 2021)

Lead the site wide recovery, and resiliency response to the COVID-19 Pandemic.

- Primary Strategic Advisor to the Commander of NSA-Texas. Responsible for creating the first ever CAG for the site, developing charter documents, and pulling together stakeholder team. Activities lead to a site wide effort by senior leaders to create and execute multi-layered defensive measures against COVID-19
- Responsible for guidance, policy creation, and analytics related to the COVID-19 Pandemic. Activities lead to the NSA in Texas COVID-19 Campaign Plan. This plan was praised by NSA Directors fellows, and used as a model to be enacted at all enterprise field sites globally.
- Created a multi data risk calculation, based on internal, external, and regional factors. This calculation lead to a near real time data-based decision process for site leadership, on what defensive measures to stand up or spin down, which saved countless man-hours and downtime
- Liaison to Joint Base San Antonio Medical Wing, negotiated prioritization of vaccination for site wide workforce of over 4000 people. This lead to NSA in Texas being one of the earliest sites in the enterprise to achieve access to the vaccination for all employees

### Director for Enterprise Discovery Operations - NSA in Texas (July 2018 – July 2020)

Led a joint military and civilian organization with over 100 members. Developed and implemented the Directorate of Operations boards, councils, and working groups to promote optimized business operations and shared service goals, and spearheaded Directorate of Operations Innovation Council, working to strategize and incorporate several initiatives. Promoted knowledgeable staff and training materials by creating an enhanced cyber training plan and serving as a mentor and trainer for the Digital Network Intelligence Learning process, including tasking and generating network reconstruction and maximizing mission-related understanding. Secured quality data delivery for the Data Acquisition Enterprise clients and external clients, collected client feedback, and analyzed the integrity of collected intelligence and operational success for clients. Identified, evaluated, and addresses cyber threat operations for Information Assurance authorities.

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## Key Accomplishments:

- Furthered the success and efficiency of the agency to bridge critical intelligence needs gaps by creating and filling an inter-agency support position in a forward environment.
- Successfully enhanced collaboration and maximized agency equities and resources by defining and facilitating support from the SIGINT Development, Strategy, and Governance, Cyber Discovery Operation.
- Increased SIGINT Development, Strategy, and Governance visibility by cultivating relationships with NSA organizations and government agencies, expertly leading all cyber security initiatives, and participating in all cyber discovery efforts for the U.S. government.
- Selected as the first forward-deployed Security Education Academic Liaison (SEAL) for Cyber Defense to the University of Texas in Austin and San Antonio and Our Lady of the Lake University.
- Chosen to provide computer network operations support for Special Operations Forces, Multi-National Forces, and Multi-National Corps in Iraq in two forward deployments.
- Capitalized on experienced gained from various positions within the NSA to earn promotion to Director level status.

## Previous Positions at National Security Agency

- **Technical Director for Enterprise Discovery Operations - NSA in Texas (June 2015 – July 2018)**
- **Sr. Cyber Strategist for SIGDEV (Jan 2013 – June 2015)**
- **Requirements and Targeting Network Team Lead –Tailored Access Operations (Oct 2006 – Dec 2009)**
- **Sr. SIGDEV Analyst –Deployed Iraq (April 2006 – September 2006)**
- **Intelligence Analysis Development Program Member (September 2005 – March 2006)**

UNITED STATES NAVY • Fort Meade, MD • 2012 – 2013

## Deputy Chief Fires of Offensive Cyber Operations

Acted within the Fleet Cyber Command as a liaison with the NSA regarding resource allocation in support of CENTCOM for Offensive Cyber Operations. Defined and administrated the Offensive Cyber Operations roles in CENTCOM support activities in collaboration with USCYBERCOMMAND.

## Key Accomplishments:

- Enhanced continuity, knowledge, skills, and overall team expertise by creating and reorganizing the knowledge management structure and preparing cyber operations training programs to incorporate cyber community partners. .
- Gained a favorable response from congressional members in relation to Navy's cyber initiatives by preparing an informative and accurate report on past, current, and future cyber operations.

AMERICAN UNIVERSITY • Washington, D.C. • 2014 – Present

## Adjunct Faculty

Educate future Cybersecurity leaders in risk management as an adjunct faculty member of the Kogod School of Business.

## Key Accomplishments:

- Selected as Curriculum Manager for Cybersecurity Risk Management course, involving creating, revising, and establishing learning outcomes for the course, establishing its place in the program, and developing a separate curriculum specified as a cyber-based online course.
- Formulate lessons from expert and challenging experience to provide real life examples and situations for students to think strategically and provide solutions, contributing to being rated as one of the best professors in 2014/2015 and 2017/2018/2019 within the Kogod School of Business.

OFFICE OF THE NATIONAL COUNTERINTELLIGENCE EXECUTIVE (ONCIX) • Washington, D.C • 2010– 2012

## Team Chief of Foreign Intelligence Cyber Operations

Executed robust assessments of counterintelligence (CI) threats to the U.S. Government infrastructure and engaged in efforts to mitigate CI concerns.

## Key Accomplishments:

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- Generated two national-level projects to engage government departments regarding “classified” data security and establish a robust framework for performing risk assessments for Non-Title 50 networks.
- Expertly directed the assessment and mitigation of CI cyber risks to secret/top secret networks and maximized community and stakeholder engagement and understanding by combining CI, Information Assurance, and Computer Network Operations disciplines.
- Acted as the lead planner for the National Level Exercise 2012 to modify and optimize the exercises, including advocating for CI protections and integrating CI issues into simulations.
- Identified classified intelligence findings concerning critical topics of interest for the Director of National Intelligence.

**EXECUTIVE OFFICE OF THE PRESIDENT OF THE UNITED STATES • Washington, D.C. • 2010**

## **Director of Cybersecurity**

Informed the Special Assistant to the President and Cybersecurity Coordinator on cyber issues of interest, affecting critical decisions regarding industry partners, representatives, and outreach initiatives for the President of the United States. Strategized National Level objectives to engage all government efforts and private sector participation.

### **Key Accomplishments:**

- Received praise from the Deputy National Security Advisor concerning National Security Staff memoranda delivered to the President to convey crucial public/private sector supply chain concerns.

**CHIRON TECHNOLOGY SERVICES, INC. • Washington, D.C. • 2009 – 2010**

## **Senior Analyst**

Showcased leadership qualities and industry knowledge by leading initiatives to secure Government-classified networks, involving identifying and selecting government and commercial software to automate analysis for alert and warning indicators of malicious activity. Increased industry reach by analyzing market trends and generating business development opportunities.

### **Key Accomplishments:**

- Optimized analytic ability and identified processing gaps for Computer Network Defense operations as the project lead for the Information Assurance Directorate / Signals Intelligence Directorate project in coordination with NSA’s premier Computer Network Exploitation organization.

## **Additional Experience**

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**Network Administrator • Intelitech Computer Solutions • Dallas, TX**

**Jr. Network Engineer • Rutgers University • New Brunswick, NJ**

## **Education & Training**

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**Master of Engineering in Electrical Engineering**

NAVAL POSTGRADUATE SCHOOL

**Master of Arts in Diplomacy & Terrorism**

NORWICH UNIVERSITY

**Bachelor of Arts in Political Science**

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

**Graduate Certificate in Cyber Warfare**

NAVAL POSTGRADUATE SCHOOL

**Graduate Certificate in Cyber Security Fundamentals**

NAVAL POSTGRADUATE SCHOOL

**Global Information Assurance | Global Security Leadership**

**National Cryptologic School Adjunct Faculty | NSA**

TAO Requirements & Targeting Certified Analyst | NSA

## Awards & Distinctions

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Top Secret Security Clearance / SCI with Full-Scope Polygraph  
NSA Performance Award | NSA | 2019, 2016 - 2013, 2006, 2005  
NSA Special Achievement | NSA | 2018, 2006  
Cost Savings & Productivity Award | NSA | 2016  
Managers Team Award | NSA | 2016  
Letter of Appreciation | NSA | 2013  
Department of the Navy Achievement Award | United States Navy | 2012  
Global War on Terrorism Civilian Service Medal | Secretary of Defense | 2011  
National Intelligence Certificate of Distinction | Office of the Director of National Intelligence | 2009  
Deployment Achievement Award | NSA | 2008  
Letter of Appreciation | CIA | 2007  
Deployment Readiness Award | NSA | 2007  
Joint Meritorious Unit Award | NSA | 2007