JONATHAN K. ADAMS

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EDUCATION

Marymount University. Sc.D., Cybersecurity. 12.2021 (expected).
Nova Southeastern University. Ph.D., Information Systems (ABD) 12.2011
Howard University. M.Sc., Computer Science. 12.2002.
SANS Technology Institute. Graduate Certificate, Cybersecurity Engineering. 9.2019.
Benedict College. B.Sc., Computer Information Science. 12.2002

TEACHING EXPERIENCE

George Mason University

Adjunct Instructor, Information Systems and Operations Management:

- **MIS 320 – Networks and Information Security, Spring 2020:** Introduces students to fundamentals of networking technologies and their role in businesses. Emphasis is on understanding the business implications of different networking technologies and solutions. Students learn to identify requirements and bring together the different technological components to design the required communication solutions. Also focuses on the types of security threats to the business network infrastructure, and approach to tackling such threats through business practices combined with appropriate technological solutions.

Northern Virginia Community College

Adjunct Associate Professor, Information and Engineering Technologies:

- **ITP 270 Programming for Cybersecurity, Fall 2019, Annandale Campus:** Teaches scripting techniques for automating security tasks such as network monitoring and penetration testing using a high-level programming language common to cyber security professionals. Includes how to write custom tools and the basics of developing software exploits.
- **ITP 270 Programming for Cybersecurity, Spring 2019, Woodbridge Campus**:

Adjunct Assistant Professor, Computer Science:

- **CSC110 Introduction to Computing, Fall 2007, Loudoun Campus (Reston)**: Introduces problem solving through computer applications and via a programming language. Examines development of computers, social and ethical implications of computers, and properties of programming languages. Covers input, storage, data manipulation, software and hardware.

University of Maryland University College

Adjunct Faculty, Computer Studies:

- **CMST 385 Principles of Web Design and Technology, Spring 2011, Online**: A study of HTML and Web page design, including Internet security measures and social, ethical, and legal issues related to the growth of the Internet. Topics include basic principles and protocols of the Internet, configuration and use of graphical Web browsers, application programs such as e-mail and searching and retrieving information on the World Wide Web, and the use of portals. Assignments include designing and publishing a Web page.

PROFESSIONAL EXPERIENCE & CLIENTS

Upon Request

CERTIFICATIONS

ISC (2) Certified Information Systems Security Professional (CISSP)
GIAC Intrusion Analyst (GCIA) - GOLD
GIAC Incident Handler (GCIH)

GIAC Security Essentials (GSEC)
COMPTIA Legacy (GFE) Security+ (Sec+)

PUBLICATIONS AND PAPERS

Adams, J. K. (2019, September). WiFiCue: Public Wireless Access Security Assessment Tool. SANS Gold Paper (GCIA).

Adams, J. K. (2006, April). A service-centric approach to a parameterized RBAC service. In Proceedings of the 5th WSEAS international conference on Applied computer science (pp. 1050-1055). World Scientific and Engineering Academy and Society (WSEAS).

Adams, J. K., & Bristow, B. N. (2006). Access Control for Hierarchical Joint-Tenancy. WSEAS Transactions on Computers, 5(6), 1313-1318.

TECHNICAL SKILLS

Programming: Python, Perl, Java, NodeJS, C, C++, etc | Databases: Oracle, Sybase, MySQL, PostGres | Development Environments: Android Studio, Visual Studio Code, PyCharm, Postman, etc | Clouds: Amazon/Azure | IDS/IPS: Snort, Bro | Tools: NMAP, TCPDump, Wireshark, MetaSploit, Nessus, Kali Linux