

**Bradley A. Wilkerson**  
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## **Professional Experience**

### **Contractor for DTE Energy, Newport, MI (February 2010 – Present)**

#### ***Senior Cyber Security Specialist, Fermi 2 Nuclear Plant***

- Responsible for understanding the cyber security implications surrounding the overall architecture of plant networks, operating systems, hardware platforms, plant-specific applications, and the services and protocols upon which those applications rely;
- Responsible for conducting cyber security assessments, audits, network scans, and penetration tests.
- Responsible for forensic evidence collection and analysis during cyber security investigations.
- Responsible for performing site training related to cyber security, and providing technical content.
- Responsible for the development of cyber security implementation plans and providing management updates of progress toward completion.
- Responsible for representing Fermi at nuclear industry conferences such as the Nuclear Energy Institute (NEI) and Nuclear Information Technology Strategic Leadership (NITSL) Cyber Security workshops.
- Responsible for the development and maintenance of cyber security policies and implementation procedures.
- Participates in industry groups to facilitate cyber security program development and industry communication.
- Member of site Cyber Security Assessment Team (CSAT).

### **General Dynamics Land Systems, Sterling Heights, MI (January 2008 – February 2010)**

#### ***Information Assurance Specialist, Information Resource Management***

- Lead for the development of the organization's IT security and compliance strategies, including coordinating the implementation of information security standards across the organization's global infrastructure.
- Primary interface for the coordination of efforts between the organization's information technology operations function with the information security and internal audit and compliance functions.
- Responsible for collaborating with external and internal consultants, auditors, vendors and outsourced service providers in terms of information assurance and information security including information systems auditing, access control methodologies and corporate governance regulations.
- Responsible for developing and providing communications and presentations to management, including executive level management, and supporting organizations regarding information security requirements, controls and actions.
- Responsible for providing project management oversight and review, including cost-benefit and requirements analysis, task management and direction on IT security architecture projects.
- Lead for the design and development of procedures to continuously test and review the effectiveness of required information security controls, and provide capability for required compliance reporting.
- Assisted with the development of the organization's information security operations team to facilitate the implementation and maintenance of the compliance methodology, as well as provide capability to address organizations information security needs, including the areas of incident response, forensics, and secure systems architecture.
- Responsible for evaluating information security frameworks and compliance requirements such as NIST 800-53, ISO 27001, Sarbanes-Oxley, DIACAP, and CIP to determine common and required controls and, based on risk, contractual requirements and budget considerations, provide implementation planning, guidance and oversight.

### **Grant Thornton, LLP, Southfield, MI (September 2007 – January 2008)**

#### ***Senior Associate, Business Advisory Services***

- Responsible for the performance of client engagements including information technology audits, internal audits, business process control reviews, as well as activities related to SOX 404 and SAS 70 internal control projects and external audit information technology support.
- Responsible for gaining a comprehensive understanding of client operations, processes, and business objectives and using that knowledge during engagements.
- Responsible for developing and maintaining a good working relationship with clients to enhance customer satisfaction and working with client management and staff at all levels to perform audit services.

**Department of Defense – Naval Sea Logistics Center, Portsmouth, NH (August 2006 – September 2007)**  
***Information Technology Specialist (INFOSEC) / Network Security Officer***

- Responsible for addressing and reporting relevant compliance activities associated with Naval Information Assurance Vulnerability Alerts (IAVA).
- Assisted with developing and maintaining organization's web application certification and accreditation packages.
- Responsible for interfacing with development staff to ensure applications were developed and implemented in accordance with government information security requirements
- Responsible for development and implementation of organization's incident response processes and procedures.
- Responsible for installation, configuration and maintenance of organization's Cisco PIX firewalls
- Assisted in the development and implementation of a Department of Defense mandated Public Key Infrastructure (PKI) solution for validating customer access to web applications.
- Lead for redesign of technical infrastructure to accommodate organization's development and alpha test environments, utilizing blade and virtual server technologies to minimize the number of physical servers required, thus reducing total support and operations costs.
- Responsible for developing and documenting the process for applying network server security templates, using the DISA Field Security Operations Gold Disk, including detailed task lists and administrative scripts.
- Responsible for addressing organizational Information Assurance activities, including assisting in the handling of security incidents, monitoring firewall and application logs and verifying network backups and continuity of operation plans.

**University of Michigan – Information Technology Central Services, Ann Arbor, MI (March 2002 – August 2006)**  
***Senior Systems Administrator***

- Member of campus LAN/NOS infrastructure team, with responsibility for providing central infrastructure for campus Microsoft Active Directory, Novell eDirectory, and Microsoft Exchange initiatives.
- Lead for campus Novell Services team. Primary responsibility as Novell eDirectory tree root administrator, performing campus tree wide maintenance tasks, including ensuring tree health, time synchronization, replica placement and synchronization, and working with campus administrators to resolve any problems related to those functions.
- Lead for design, development and implementation of Novell Identity Manager secure identity management solution, which is used to provision user accounts based on identities and affiliations from other campus directories and Human Resource databases.
- Lead for software and hardware upgrade and installation projects for campus Novell and SuSE central infrastructure servers, including specification, vendor relations, installation and configuration.
- Responsible for design, development and implementation of Novell Netware, eDirectory, and SuSE Linux as campus services.
- Responsible for leadership and coordination of campus Novell Administrator community.

**ABN AMRO Mortgage Group - InterFirst, Ann Arbor, MI. (March 2000 – March 2002)**  
***Senior Systems Administrator***

- Team lead for organization's Intel server team, with responsibility for over 85 Windows NT 4.0, Windows 2000, and Citrix Metaframe 1.8 servers, located in Ann Arbor, Michigan, Boca Raton, Florida, and Waterbury, Connecticut.
- Lead architect and administrator of Storage Area Network and Network Attached Storage initiatives, using HP/Compaq and Network Appliance solutions.
- Developed and maintained organizations Citrix Metaframe solution, allowing remote offices in Connecticut, Illinois and Florida to access mission critical applications.

**University of Michigan – Housing Information Technology Office, Ann Arbor, MI (June 1994 – March 2000)**  
***Systems Administrator/Desktop Support Technician***

- Lead systems administrator for Residence Operation's administrative network, a campus wide network consisting of approximately 700 nodes and 500 users, using Novell Netware and Windows NT 4.0 servers.
- Served in role as desktop support technician, while pursuing undergraduate degree, prior to promotion to systems administrator.

## Education

**University of Detroit Mercy, Detroit, MI**  
Master of Science, Information Assurance

**University of Michigan, Ann Arbor, MI**  
Bachelor of Arts, History

## Academic Instruction Experience

### **Eastern Michigan University, Ypsilanti, MI (August 2011 - Present)**

Assistant Professor, Information Assurance Graduate Program  
Courses: “Ethical Hacking, Penetration Testing and Compliance”  
“Windows Security Administration”  
“SQL Database Security”  
“Open Systems Network Administration”

### **University of Detroit Mercy, Detroit, MI (January 2010 - Present)**

Adjunct Lecturer, Information Assurance Graduate Program  
Course: “Information Assurance Management”

### **Macomb Community College, Warren, MI (September 2009 – May 2010)**

Adjunct Lecturer, Cisco Networking Academy  
Course: “Cisco Certified Entry Networking Technician”

## Awards, Training and Memberships

- **Awarded Information Assurance Scholarship, U.S. Department of Defense, May 2005**
- **Attended Advanced SCADA Security Red/Blue Team training, National SCADA Test Bed, Idaho National Laboratory**
- **Attended Nuclear Cyber Security Controls Assessment Workshop, SecureInfo**
- **Member of Information Systems Audit and Control Organization (ISACA)**
- **Member of InfraGard**

## Certifications

<b>CISA</b>	Certified Information Systems Auditor - ISACA
<b>CISSP</b>	Certified Information Systems Security Professional – (ISC) <sup>2</sup>
<b>CCAI</b>	Cisco Certified Academy Instructor
<b>CCNA</b>	Cisco Certified Network Associate
<b>CCEA</b>	Citrix Certified Enterprise Administrator, Metaframe 1.8
<b>A+</b>	CompTIA A+ Certification
<b>Network+</b>	CompTIA Network + Certification
<b>Security+</b>	CompTIA Security+ Certification
<b>Server+</b>	CompTIA Server + Certification
<b>GCIA</b>	GIAC Certified Intrusion Analyst
<b>GCIH</b>	GIAC Certified Incident Handler
<b>GPEN</b>	GIAC Certified Penetration Tester
<b>GWAS</b>	GIAC Web Application Security Certified Professional
<b>GCWN</b>	GIAC Certified Windows Security Administrator
<b>Master ASE</b>	HP/Compaq Master Accredited Systems Engineer – High Availability and Clustering Specialist
<b>ITIL</b>	IT Service Management Essentials – Foundations Certification
<b>MCDBA</b>	Microsoft Certified Database Administrator, Microsoft SQL Server 2000
<b>MCSE</b>	Microsoft Certified Systems Engineer, Windows 2000
<b>CNE</b>	Novell Certified Netware Engineer, Netware 6