

Daniel J. MacDonald

1222 Burning Tree Lane • Winter Park, FL 32792
407-671-3298 • [resume \(at\) tazman.net](mailto:resume@tazman.net)



OBJECTIVE	Full time challenging network and/or systems security position in proactive systems security, intrusion testing, and/or forensic analysis.	
EDUCATION	University of Central Florida , Orlando, Florida	May, 2003
	<ul style="list-style-type: none">• Graduate Certificate - Computer Forensics• GPA: 4.0.	
	St. Norbert College , De Pere, Wisconsin	May, 1997
	<ul style="list-style-type: none">• Bachelor of Science in Mathematics/Computer Science, Minor in Communication• GPA: 3.13	
EXPERIENCE		
Senior Security Consultant	Brintech, Inc. , New Smyrna Beach, Florida Sheshunoff Consulting + Solutions , Austin, Texas	September 2002 to February 2011
	<ul style="list-style-type: none">• Internal and external risk assessments, vulnerability analysis, and penetration testing for nationwide base of client financial institutions ranging from \$200 million to \$8 billion in assets.• Document vulnerabilities and solutions for technical staff, management, and director review. Specialty technologies include: Wireless, IP ATM machines, IP DVRs, VoIP.• Present and explain findings to senior management and board members as required.• Advise on internal IT compliance for SOx and GLBA. Review external vendor SAS 70 reports for exceptions and control gaps requiring further investigation.• Provide training and education on current security topics and methods.• Develop white-papers detailing best practices and common recommendations.• Speak on various current security topics at association conferences and seminars.• Review vendor proposals and advise clients about security vendor and solution selection. Guide clients to maximize leverage of security solution investments.• Support internal testing systems and corporate security solutions, including design and implementation of new infrastructure for multiple conversions and data center relocations.• Promoted from Security Analyst to Senior Security Consultant in 2004.• Brintech acquired by Sheshunoff Consulting + Solutions in April 2010.	
Network Engineer	University of Central Florida Institute for Simulation and Training , Orlando, Florida	February 2001 to August 2002
	<ul style="list-style-type: none">• Manage support team and inventory for facility desktop, server, and simulation systems.• Recommend, administer and maintain secure and dynamic network and computing facilities for simulation and modeling development and integration environment.• Coordinate move into new facility, including network infrastructure, telecommunications coordination, access control, physical controls and new procedure development.• Integrate and supervise integration of heterogeneous systems for simulations, exercises and other collaborative efforts.• Advise on DITSCAP accreditation procedures for DREN network systems.• Maintain security of network and systems including monitoring security sources, tracking software bugs and fixes, integrity testing, and intrusion detection systems (NIDS & HIDS).• Recipient of Memorandum of Appreciation from General Paul Kern, US Army for work supporting preparations for SMART Conference.	
Production System Administrator	WildCard Systems , Orlando, Florida	May 2000 to January 2001
	<ul style="list-style-type: none">• Implement and administer secure production Linux, BSD and NT servers for high-profile multimedia Internet applications in a remote co-location facility.	

- Application services include Alteon AceDirector load balancing, MySQL, qmail/vPopmail, Apache, IIS, SSL, WebTrends and DNS/BIND.
- Oversee conversion from end-of-life servers to new equipment.
- Maintain security and integrity of servers and network including monitoring security sources, tracking software bugs, integrity testing and HIDS.

Network Engineer

Calloway Network Access, Orlando, Florida September 1997 to May 2000

- Design, implement, maintain and troubleshoot solutions for 50+ clients on a wide variety of hardware and software platforms.
- Provide network security consulting and implementation for banking clients.
- Network systems and solutions include: VLAN, PC -> AS/400 host emulation, Automated Teller Machine (ATM) transport, VPN, WAN infrastructures including Frame Relay, PPP, and VPN over ISDN and T1, Fiber Optics, GBit Ethernet.
- Application Service support: imaging (three platforms), faxing (two platforms), backup (ArcServe, BackupExec, and respective clients and agents), web (Netscape Commerce Server, IIS, Apache), email/groupware (MS Exchange, SLMail, Sendmail), printing (HP JetDirect devices) running on NetWare, NT and Linux platforms.
- Specify, build and install servers, workstations and other equipment for client solutions.
- Internet: Administrator for internal and external Internet services, Internet application design, firewalls, dedicated & dial-on-demand connectivity.

CERTIFICATIONS	(ISC²): Certified Information Systems Security Professional (CISSP®)	March 2003 (Current)
	ISECOM: OSSTMM Professional Security Analyst (OPSA)	July 2004 (Current)
	Linux Professional Institute Certified: Level 1	August 2002 (Current)
	Global Information Assurance Certification (GIAC):	January 2004 (Expired)
	GIAC Certified Firewall Analyst (GCFW)	
	Cisco: Cisco Certified Network Professional (CCNP)	November 2002 (Expired)

TECHNICAL SKILLS

Security Testing	ISS Internet Scanner, Foundscan, Nessus, Metasploit, Cain, BackTrack, L0phtCrack, LC4, hping, yersinia, Wireshark, nStalker, Burp, w3af, others
OS	Windows, Linux (CentOS / RHEL, Fedora, Gentoo, Ubuntu), BSD, Solaris, XEN hypervisor
Protocols	TCP/IP, IPX/SPX, VLAN (VTP, DTP, 802.1q, ISL, others), Routing Protocols (RIP, OSPF, EIGRP), WLAN (WEP, WPA2), Internet Protocols (DNS, HTTP, HTTPS, POP, IMAP, SMTP, FTP, SSH)
Network Services	Apache, DNS (BIND, MS), Mail (Postfix, qmail, courier-imap), openssh, MySQL, MS-SQL, LDAP
Firewalls	FortiGate, SonicWall, Cisco ASA, WatchGuard, iptables

ARTICLES & PRESENTATIONS	“Responding to Security Incidents as they Happen.”	September 2010
	South Dakota Banker’s Association	
	“Security Recommendations for Wireless Long-Haul Networks.”	August 2003
	Brintech (whitepaper)	
	“Decoding Internet Protocol (IP) Network Traffic.”	May 2003
	University of Central Florida	
	“Overview of AES/Rijndael Encryption.”	November 2002
	University of Central Florida	
	“Overview of Firewall and Intrusion Detection System Concepts.”	September 2002
	Brintech (whitepaper)	
	“Analysis and Presentation of Web Logs in Court.”	May 2002
	University of Central Florida	

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