

Adam Francis, CISSP, PMP, CEH, Security+

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Education

University of South Florida, Tampa, FL; May 2007

Master of Science Computer Engineering

- Annual USF Computer Engineering fellowship award winner for 2003-04
- Teacher's Assistant for undergraduate Computer Security class.

University of South Florida, Tampa, FL; May 2003

Bachelor of Science Computer Engineering, Honors College; Minor of Mathematics

- Final GPA: 3.78
- Received an "A" in Computer Security class.

Technical employment

Senior Information Security Engineer, CACI International Inc., Tampa, FL

April 2011 – present

- Team lead for managing, scheduling, and assisting teams of two to eight engineers in security Certification and Accreditation (C&A) testing for Government computer systems and networks all over the county.
 - Security testing includes technical and policy aspects of networking, operating systems, cryptography, physical/environmental security, desktop and web applications, software development, patch management, and more.
- Provide technical expertise and analytic support to organizations by developing or reviewing computer security documentation for systems, networks, and products in accordance with Government specifications and standards.
- Lead developer of custom tools and scripts to improve the team's efficiency of preparing for and performing IT security validation.

Senior Information Assurance Engineer, Sypris Electronics, Tampa, FL

September 2007 – April 2011

- Led team in preparing for and performing IT security validation in accordance with DIACAP on over 50 Government systems ranging from single radios to WANs with 350,000+ users.
- Provided technical expertise and analytic support to various Government organizations.
- Designed custom scripts to use in combination with industry tools in an ongoing effort to "continuously improve" team's efficiency.
- Developed documents used for back-end of new International Cyber Range project.

Systems Engineer, Smartronix, Inc. – USCentcom, MacDill AFB, Tampa, FL

July 2005 – September 2007

- Assisted in maintaining, building, troubleshooting, and supporting approximately 175 servers on nine different classified and unclassified networks in a 24/7/365 Government enterprise environment.
- Lead administrator of updating, troubleshooting, and maintaining all aspects of three mail guards to allow "safe" email communication between various classified networks.
- Lead administrator of disaster recovery services for seven classified networks.
- Responsible for maintaining and supporting Microsoft Exchange in a 40,000+ user, multi-site environment across nine networks.
- Maintained the parent antivirus servers for the entire active directory forest making sure that antivirus signatures were up-to-date and ensured successful delivery to all other child servers.

Desktop Support Specialist, USF's Center for Urban Transportation Research, Tampa, FL

January 2001 – July 2005

- Helped administer and maintain seven servers.
- Troubleshoot computer problems for 100 employees
- Installed software and hardware (for both PCs and servers), set-up new computers, and kept records of computers within the business.

Teaching experience

- May 2014 – Developed and taught a class to 10 people regarding maximizing finances
- Fall 2004 – Assistant coach for U-10 boys soccer team
- Fall 2004 – University of South Florida – Teachers Assistant (TA) for Undergraduate Computer Security class taught by Mr. Jeremy Rasmussen
- Spring 2004 – TA for Graduate Computer Architecture class taught by Dr. Nagarajan Ranganathan
- Fall 2003 – TA for Undergraduate Computer Organization class taught by Dr. William Albrecht

Training/Certifications

- Certified Ethical Hacker (CEH): July 2014
- Certified Information Systems Security Professional (CISSP): October 2012
- CompTIA Security+ Certification: November 2010
- Project Management Professional (PMP): May 2009
- 6 Sigma Green Belt trained: March-August 2009
- Microsoft Certified Professional (MCP) – Exam 70-210
- BAE Systems – Certified DII Mail Guard Administrator and Operator: May 2006
- ITSM – Information Technology Service Management Familiarization: June 2006
- Symantec – Veritas NetBackup 5.x for Windows: December 2005
- DISA – Implementing Network Security training: September 2005

General computer skills

- **Cryptography:** Implementing and administering symmetric and asymmetric algorithms including AES, 3DES, RC4, RSA, and more. Wireless 802.11x experience with AES, TKIP, WEP, WPA, WPA2, and more. Application-level experience with SSL, TLS, HTTPS, and more. Other experience with IPSEC, PKI/PKE, key management, password cracking, encryption in transit and at rest
- **Programming languages:** Python 3, C, C++, C#, Visual Basic, FORTRAN, HTML, VHDL
- **Software:** Snort (IDS), BeyondTrust Retina Vulnerability Scanner, Nmap, Wireshark, Metasploit, PGP, ESX VMWare, Veritas NetBackup, MS Office, Symantec Anti-Virus, McAfee VirusScan, Cadence, Hspice, SimpleScalar, MathCAD, and most standard desktop utilities
- **Operating systems:** Windows 7/2008/Vista/2003/XP/2000/NT4/98/95, Red Hat Linux, CentOS, Android
- **Windows server experience:** Active Directory, DNS, DHCP, MS Exchange, IIS, virtualization, clustering, SimpleSync, enterprise patch installations
- **Networking experience:** Cisco firewalls, IDS/IPS, routers, switches, ACLs and config files, Wireless 802.11x protocols and functionality, TCP/IP, UDP, ICMP, VPN, and making custom network (CAT 5) cables