

# Daniel Nieters

*Systems Security Engineer*

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📄 [github.com/dnr53](https://github.com/dnr53)

## Education

- 2008–2010 **Master of Science, Information Science & Technology**, *Missouri S&T*, GPA: 3.5.  
Certificate in Computer Engineering – Information Assurance & Security Officer Essentials
- 2005–2008 **Bachelor of Science, Information Science & Technology**, *Missouri S&T*, GPA: 3.8.  
Minor in Business Administration

## Work Experience

- 2012–Now **Security Engineer II**, *The Boeing Company*, St. Louis, MO.  
Technical lead on the information assurance implementation for the U.S. Navy's net-centric F/A-18 Automated Maintenance Environment (FAME). Maintained IA controls to meet accreditation standards on over 3,000 hosts and 100 servers in squadrons across North America.
- Fully configured a lab environment for use in testing IA releases for the immediate IA team of 6 members, as well as all software QA testers. Environment contains dev and test versions of all production servers.
  - Administered and maintained rulesets, schedulers, and whitelists for host intrusion prevention systems, asset baseline monitoring, rogue host detection, and virus scanning using McAfee ePolicy Orchestrator.
  - Wrote IA lockdowns using C# and batch scripting and coordinated their release through remote patching and physical software packages. Documented field security posture by configuring scan jobs using Nessus.
  - Compiled quarterly Certification and Accreditation packages for Navy customer utilizing OS patch and configuration vulnerability scanning. Wrote mitigation plans for zero-days and problematic lockdowns.
- 2010–2012 **Programmer/Analyst I**, *The Boeing Company*, St. Louis, MO.  
Application security assessment lead for the Application Consolidation & Modernization team. Responsible for assessing risk, scanning, and advising mitigation strategies on over 500 internal applications at Boeing.
- Devised a risk assessment matrix to qualitatively assign risk to an application based on a list of criteria.
  - Utilized static code analysis and penetration testing tools to detail code-level vulnerabilities in applications containing HTML/Coldfusion, SQL, Java, etc.
  - Wrote reports detailing code remediation strategies and consulted with the individual developers.
- 2008–2009 **Student Programmer**, *U.S. Geological Survey*, Rolla, MO.  
Web developer for the National Geospatial Technical Operations Center
- Increased National Map functionality by integrating Google KML support and writing additional servlets.
  - Supported 4 local machines serving Oracle, Mapserver, and Subversion to centralize work within the team.

## Projects & Interests

- Research Simulation of a Distributed and Transparent Firewall and Vulnerability Scanning System using OPNET
- Personal ArchReactor hackerspace (Member), Arduino, personal Web site, homebrewing, music

## Language Experience

- Familiar C/C++, Javascript, Python,  $\text{\LaTeX}$
- Proficient Java, HTML, SQL, Win/UNIX shell

## Software Experience

- OS Windows XP/7/2003/2008 Server, UNIX/Linux, Cisco IOS
- Programs VMWare ESXi, McAfee ePolicy Orchestrator, Tenable Nessus, SecurityCenter, nmap, Wireshark, IBM AppScan, Microsoft Visual Studio 2010

## Certifications & Awards

- Vocational CCNA, Security+, 6 $\sigma$  Green Belt, DoD Secret Clearance

Other Eagle Scout