

# Nicholas Leghorn

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## PROFILE

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- Experienced with Cisco IOS equipment configuration and troubleshooting, including PIX/ASA firewalls, CSS load balancers and various routers and switches.
  - Knowledgeable about F5 LTM/GTM and Brocade ADX load balancers, including real-world experience optimizing those devices for live websites.
  - Advanced knowledge of information security techniques, including physical and virtual security measures, a background in cyber forensics, a certified network security expert (NSA certified INFOSEC Professional), and a number of years of technical experience in the field of information technology.
  - Familiar with the latest risk analysis and management techniques and methodologies, and has demonstrated this ability through federally funded research projects and other work in the field.
  - Has experience in administration and support for laptops, desktops and servers running Microsoft Windows, Linux and Macintosh operating systems. Also able to code in various programming and scripting languages (HTML, C, C++, PHP/MySQL, ASP/Microsoft SQL, Java).
  - Multiple years of experience as a 911-dispatched EMT-B in an urban environment, including first response / stabilization and transport of patients.
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## EMPLOYMENT

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**Rackspace Hosting**, San Antonio, TX February 2012 – Current  
*Network Security Administrator*

- Configured and provided support for advanced computer networks.
  - Configured and supported Cisco devices, including multiple models of PIX and ASA firewalls. Experience included configuring firewall rules, NAT translation, VPN configuration and troubleshooting connectivity.
  - Deployed and provided troubleshooting assistance for load balancers, including Cisco CSS, Brocade ADX and both F5 LTM and GTM products.
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**Texas International Firearms Festival**, Austin, TX January 2014 - Current  
*Chief Range Safety Officer / Range Master*

- Developed rules and procedures to maintain safety during a firearms festival where 5,000 members of the public are invited to fire live ammunition in a variety of guns over two days.
  - Managed a group of 72 Range Safety Officers as well as two subordinate managers, responsible for ensuring that the safety protocols were followed during the event.
  - Organized shift schedules for all RSOs in advance of the event, communicated the schedules as well as rules and expectations to the RSOs in the weeks leading to the event, and assigned manpower as needed to handle the workload during the event itself.
  - Coordinated in real time with local law enforcement, emergency medical services, as well as event planning staff during the event to solve problems and provide aid where necessary.
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**The Truth About Guns**, Austin, TX January 2010 - Current  
*Testing & Reviews Editor*

- Wrote articles regarding firearms, ammunition and other related topics for the #1 most popular firearms related blog on the internet, with over 2 million readers per month.
- Designed and conducted experiments to test the reliability and accuracy of firearms, ammunition and firearms related components, analyzed the results and published them for peer review.
- Managed a team of five to ten staff writers who were tasked with reviewing firearms for the site. Distributed the workload as necessary for maximum output from the writers, and provided feedback on the end result back to the writers to ensure quality.
- Formed and maintained relationships with firearms, ammunition, and other associated manufacturers.

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**ABS Group Consulting**, Arlington, VA

June 2010 – January 2012

*Risk Analyst*

- Acted as Information Systems Security Manager (ISSM) for a classified computing environment. Duties included ensuring systems were patched and antivirus was updated weekly, as well as analyzing system logs for anomalies and suspicious behavior.
- Acted as program manager for contracts, in charge of communication with clients and producing polished deliverables.
- Designed, implemented and administrated numerous databases in Microsoft SQL, MySQL and Access which were used to analyze datasets exceeding 30 million records and extract data which was used to inform risk models. Wrote scripts in PHP to automate the analysis process and enable sensitivity analyses to be performed even after the end of contracts.
- Assisted in writing white papers and proposals for U.S. Government contracts.

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**UBS Financial Services**, Stamford, CT

June 2009 – August 2009

*Change Project Manager (Internship)*

- Liaison between IT Infrastructure teams and multiple business divisions to progress server and storage provisioning requests within SLE targets. Fulfillment of requests often required the ability to identify open rack locations and IP ranges for new physical and virtual systems.
- Designed an IEEE-829 compliant testing documentation for new software that was being developed, including over 400 global test cases.

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## EDUCATION

**B.S. - Security and Risk Analysis / Information and Cyber Security**      Graduated May, 2010

*The Pennsylvania State University, University Park, PA*

Relevant Courses Successfully Completed:

- SRA 221 – Fundamentals of Information Security  
Learned about the basic concepts behind information security, the proper mindset for security professionals and the basics of attack detection and post-exploitation recovery.
- IST 220 – Networking and Telecommunications  
Developed the skills to properly design and administer a network using Cisco SRW 208 switches and Cisco 1812 routers. The class covered every aspect of networking from deciphering signals by hand on twisted pair cables based on voltage changes to understanding subnets and IP address schemes and designing routing tables to efficiently move network traffic. Other topics included deciphering packet captures, tracing connections, configuring Cisco devices using the command line interface and understanding common communications protocols.
- IST 451 – Network Security  
Studied the latest threats to network security, the most common vectors for attack and the best methods for securing networks and computer systems against attackers.
- IST 454 – Cyber Forensics  
Became proficient in analyzing active attacks against computer systems and performing post-exploitation investigations on computers and networks.
- IST 402 – Deception and Counterdeception  
Applied historical cases of successful deception and counterdeception to the information security realm, including the purpose behind and proper deployment of honeypots and other deceptive network features to assist in detection and interdiction of attackers.

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## TALKS AT CONFERENCES

**Risk Analysis for Dummies**, The Next HOPE

July 16, 2010

Presented an informative talk to IT professionals and penetration testers on how to perform a simple probabilistic risk assessment, introduced some of the moral and ethical considerations involved, and explained the potential benefit to the customer resulting from a more in-depth analysis of risk.