

Nicholas Leghorn

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PROFILE

- Experienced with Cisco IOS equipment configuration and troubleshooting, including PIX/ASA firewalls.
 - Real-world experience with configuring and troubleshooting advanced computer networks, including Cisco routers and switches as well as Cisco CSS and F5 load balancers.
 - Solid knowledge of information security techniques, including both physical and virtual security measures, a background in cyber forensics, some network security experience, and a number of years of technical experience in the field of information technology.
 - NSA Certified Information Systems Security Professional.
 - Currently studying for the Cisco Certified Network Associate certification.
 - Active Secret security clearance, interim Top Secret clearance (Department of Defense).
 - 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).
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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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EMPLOYMENT

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 help for load balancers, including Cisco CSS and F5 products.
 - Fanatical support.
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ABS Group Consulting, Arlington, VA
Risk Analyst

June 2010 – January 2012

- 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.

UBS Financial Services, Stamford, CT
Change Project Manager (Internship)

June 2009 – August 2009

- 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.

Residential Computing, University Park, PA
Student Technician

November 2006 – May 2008

- Identified and diagnosed issues with student network connections in student dormitories including troubleshooting issues with DHCP address allocation, identification of physical failures in network infrastructure and collaborating with the Penn State Network Operations Center to resolve network outages.
- Assisted the Penn State NOC with the deployment and testing of new devices, the implementation of DHCP on a previously static IP based network, IP address allocation schemes and subnet design schemes.
- Worked in a customer facing role which required interaction with the customer to understand the problem at hand, identify a solution and describe the process in easy to understand language.
- Performed software and hardware troubleshooting for student computer systems including virus removal and component replacement.

Wilson Elser Moskowitz Edelman & Dicker LLP, New York City, NY
Summer IT Intern

May 2007 – August 2007

- Provided desktop hardware and software support as well as network troubleshooting support for employees.
- Assisted in troubleshooting and fixing network issues for servers in multiple countries.
- Worked in a customer facing role which required interaction with the customer to understand the problem at hand, identify a solution and describe the process in easy to understand language.

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.