

# JOSEPH M. KUKIS

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## SUMMARY OF QUALIFICATIONS:

A Senior Network Technician with four years experience in a university campus network with focus on installation, configuration, administration, and troubleshooting of wired and wireless LAN infrastructure and security using Cisco products. Excellent problem-solving skills and ability to interface with users of all levels.

## EDUCATION:

**Master of Science – Telecommunications Management** **2008**

Stevens Institute of Technology, Hoboken, NJ

Concentration: Project Management

3.8 GPA

**Bachelor of Engineering – Computer Engineering** **2005**

Stevens Institute of Technology, Hoboken, NJ

3.3 GPA

## PROFESSIONAL CERTIFICATIONS:

Cisco Certified Network Associate (CCNA)

## TECHNICAL SKILLS:

- Routers: Catalyst 6504e, 6509
- Switches: Catalyst 3750, 3550, 2950
- Wireless: Aironet 1100, 1130, 1250, 1140, WiSM blade, WCS
- Firewalls: Cisco PIX 501, 535, ASA 5520
- VPN: Cisco 3000 series, ASA 5520
- Cisco Service Control Engine 1010
- Routing Protocols: BGP, RIP
- Routed Protocols: IP
- Other: Cisco ACS, 802.1q, VLANs, STP, ICMP, 802.1x, ACLS, DHCP, TACACS, SNMP, SYSLOG
- Network Management Software: Nagios, NetDisco, Cacti, Intermapper, AirMagnet, Cisco Spectrum Expert, Wildpackets Omnipeek, Flow-Tools, Rancid
- Software: Unix, Windows XP, Windows Vista, MS Office, MS Visio

## WORK EXPERIENCE:

**Stevens Institute of Technology**, Hoboken, NJ

Senior Network Technician

11/05-Present

- Configured Netflow using Cisco routers and flow-tools software package to record and analyze traffic flows allowing management to track top N traffic users and identify possible security threats using the flow-dscan module
- Experience deploying 802.1x on wired and wireless networks using Cisco 3750 switches, Cisco Wireless LAN Controller, and Cisco ACS server reducing the possibility of unauthorized users gaining access to the network at the layer 2 level
- Installed, configured, and administered Cisco Service Control Engine on network of over 2000 nodes spread across 200 subnets to address traffic congestion caused by P2P applications and create an efficient, optimally performing bandwidth environment
- Designed and implemented plan to convert 200+ autonomous Cisco Access points with 19 different SSIDS to a WiSM controller based model with 2 SSIDS and an authenticated guest network providing clients with a simplified, improved wireless experience
- Monitored and managed device uptime, interface traffic statistics, and traffic patterns using multiple open source software packages avoiding spending of budget money on expensive commercial options
- Performed end to end network performance and throughput testing across campus using TTCF software package to make recommendations to management on status of bandwidth utilization from network core to individual buildings
- Extensive knowledge of Layer 2 and 3 security measures including Access Control Lists, DHCP snooping, Dynamic ARP inspection, storm control, and other port security mechanisms

- Responsible for detailed network documentation and diagrams using Microsoft Excel and Visio products
- Worked with helpdesk staff and end users to resolve escalated network related trouble tickets in a timely manner

**Scomage Information Services, Scotch Plains, NJ**

Assistant Computer Consultant

Summers 2002, 2003, 2004

- Identified and solved hardware, software, and network related problems for numerous clients
- Designed, installed, and maintained Ethernet client networks with onsite mail and web servers
- Set up site to site VPN connections as well as client VPN connections using Sonicwall products
- Worked with ASP, HTML, and SQL Server to develop a web-based teaching system that allows both teaching content and testing material to be distributed to students via the web
- Created a web based purchase ordering system using ASP and an Access database with the ability to export data into Quickbooks software for accounting