

IT Systems Manager IT Systems Manager IT Systems Manager - City & Suburban Renovations
Hastings-on-Hudson, NY My passion for technology and engineering since childhood led me to
study mathematics, electrical engineering, and computer programming, I am seeking a position
where I can apply some or all these skills developing innovative and technologically challenging
products. Work Experience IT Systems Manager City & Suburban Renovations - Mount Vernon, NY
May 2014 to Present Developed modern procedures for IT systems lifecycle and managed the
implementation. Configured and deployed an Asterisk VOIP PBX. Responsible for deployment,
monitoring, and maintenance of servers, workstations, a VOIP system, and LAN Infrastructure.
Performed web development for the company's website. Network Security Analyst Candidate
Broker, LLC - New York, NY December 2011 to May 2014 Implemented several fraud prevention
features to reduce the attack surface exposed to Denial of Service attacks, brute force attacks, and
other malicious threats. Maintained lifecycle procedures and improved IT systems efficiency by
analyzing uptimes and usage patterns. Used Kali 2.0 and Backtrack Linux as my tools for
penetration testing and malware analysis. Used creative thinking to approach problems outside of
conventional methods. CEO and President Alpha Technologies LLC - Hastings, ON January 2012 to
January 2014 Designed and engineered a new binaural audio (3D sound) platform. Designed and
manufactured the hardware, and assisted in the development of the software that enables the audio
technology to be streamed over the internet in real time. Designed the process to stream high
quality stereo audio over the Internet without down sampling the quality of the audio, while still
keeping bandwidth usage to a minimum. Supervised all beta-testing of the software and hardware.

Coordinated the website design with a team of independent contractors. Education Associates in
Electrical Technology SUNY Westchester - Valhalla, NY 2011 Bachelor's in Electrical Engineering
Stony Brook University - Stony Brook, NY Bachelor's in Applied Math & Statistics Stony Brook
University - Stony Brook, NY Additional Information SKILLS Programming (C, C++, VHDL,
Assembly) Modeling and analysis (PSPICE, AutoCAD, Lingo, IBM SPSS, Symphony EDA)
Hardware design and testing (circuit analysis, amplifiers, Schmitt trigger oscillators, phase-locked
loops, oscilloscopes, analog to digital converters (ADCs), digital to analog converters (DACs),

spectrum analyzers) Information Security (RFID Security, Linux OS, Asterisk PBX) Senior Project

- My partner and I designed a dynamic-shifting RFID key fob, built the circuit for the RFID reader-writer and programmed it in assembly language for use on a Parallax SX-28 microcontroller.

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