

Network Technician Network Technician Field Application Engineer Broomfield, CO To obtain a position allowing the opportunity to actively learn in the field of Electrical Engineering. Work Experience Network Technician Oncor Electric Delivery - Lancaster, TX May 2014 to Present Worked Daily with Oncor's Advanced Meter System (AMS) Maintained Landis+Gyr Utilinet Distribution Automation network Programmed and installed S&C Speednet Distribution Automation system. Wrote Several VBA programs in MS Access and Excel to increase productivity Tore out legacy digital Microwave Transport Network Installed and programmed new Aviat Microwave Transport Network Performed power plant upgrade from 24V to 48V at Microwave sites Configured Aviat's "Provision" Network Management system for monitoring various Alarms via SNMP Programmed and installed DPS telecom Netguardian RTUs Wrote VB.net program to directly manipulate external program Researched, Designed and Developed HDR (a remote relay device) to interface with Oncor's AMS mesh and solve remote hardware issues ? Wrote proprietary Landis+Gyr code (DCW) to interface with HDR via wireless mesh network ? Programmed Atmega328 microcontroller (in "C") to accept command signals on serial bus ? Designed Signal and Power distribution circuitry for custom pcb ? Created handwritten documentation and User manual for HDR Built and programmed electronic device to detect and log power outages Work daily with Fiber Optic Distribution Automation network Developed a way to virtualize several windows embedded based computers, within the AMS network, on a single server Senior Network and System Administrator Cowboy.net - Stillwater, OK August 2008 to May 2014 Wireless ISP ? Stillwater, OK Built and programmed main routers with Mikrotik OS Mechanically altered wireless distributions in the 5.8 GHz, 3.65GHz, 2.4 GHz, and 900 MHz frequencies Executed Remote Firmware Upgrades Managing and monitoring 1000+ IP addresses, Multiple DHCP pools, Hotspots and traffic shaping Programming wireless equipment to perform optimally in noisy environments Designing and upholding the company website Coordinating the migration of over 200+ IP based devices to a new fiber optic carrier Maintaining RF equipment on towers as high as 300 feet or greater (replace, repair and program) Coordinating customer installations Composing pricing quotes for local businesses Network Technician Intern Cowboy.net - Lancaster,

TX May 2013 to August 2013   Exposed to Oncor's Advanced Meter System   Upgraded remote meter firmware   Improved communication with unresponsive meters   Installing fiber optic cable   Cut-over old phone lines to data lines   Tested and installed backup batteries at microwave sites

Education Bachelor of Science in Engineering Technology Oklahoma State University - Stillwater, OK August 2008 to May 2014 Northern Oklahoma College - Enid, OK August 2007 to May 2008

Certifications/Licenses GROL certified January 2016 to Present FCC license Additional Information

COMPUTER KNOWLEDGE   Working proficiency in ASM, C/C++, HTML, Java, VHDL, Unix, PHP, and SQL   Competent in Microsoft Word, Excel, Power Point, Openoffice, Multisim and Winbox, Radioshop   Deep understanding of Ubiquiti AirMax devices, Aircontrol and AirOS software   Ability to implement open source Linux based Applications, such as Wordpress, OTRS and OsTicket

Understanding of computer hardware components and their functions   Designed remote tower monitoring device with a Raspberry Pi running Linux for Senior project.

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