Tanner Abernathy

Entry-Level Software Engineer, Network Administrator, System Administrator

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Work experience

IT Specialist, Network Administrator, System Administrator
at Renwood Mills LLC
December 2020 - Present

- Installed new fiber run with new switch, access point, and cable runs.
- Advised and assisted with general maintenance of network configuration.
- Assisted with resolving issues on Active Directory and VMWare ESXi Hosts.
- Installed new network hardware for complete network overhaul.
- Led migration of domain controller, fsmo roles, and print server from 2008 R2 server to 2019 server.
- Restructured and implemented new devices on existing large-scale multi-site Unifi installation.
- Implemented new VPN Server using Windows Network Policy Server as RADIUS Server.
- Wrote and published SOPs for various situations and issues.

IT Specialist, Network Engineer (Volunteer)
at Southeastern Narrow Gauge & Shortline Museum
January 2015 - Present

- Planned and installed enterprise grade video surveillance system.
- Installed multiple servers for use as hosts for Active Directory, file servers, and surveillance storage.
- Implemented Active Directory for the entire campus from ground up including installation of user computers, implementation of user accounts, and folder sharing/permissions on file server.

IT Assistant (Contracted)
at Hickory Park Furniture Galleries
December 2019 - December 2019

- Assisted with installation of fiber backbone connecting 2 existing galleries as well as one newly leased and renovated gallery

Delivery Manager, Customer Service
at Party Productions Inc.
January 2015 - Present

- Implemented and currently maintain a new website with automatic quote generation and event booking features.
- Interacted with customers daily either in person or through phone and email to assist with event planning, booking, and setup.
- Managed crews of 2-5 employees on most weekends while setting up and tearing down events.

Skills

- Experience with network design, engineering, and maintenance.
- Experience with Active Directory and Windows Server 2008-2019
- Experience with trades such as electrical, plumbing, and structural framing.
- Through Amateur Radio hobby, earned the highest level license and developed skills involving radio technology and wireless communications.
- Detailed experience with Ubiquiti hardware including networking as well as surveillance and wireless bridging.

Education

2017 – 2021

Bachelor's of Science in Computer Science
Minor in Mathematics

University of North Carolina at Charlotte

- Completed courses focused on networking, security, and application development
- Designed, built, and deployed a weather website through Agile software development for a project in Software Engineering class.
- Designed and implemented a brain training game website for capstone course group project in which I was solely in charge of deployment and hosting on Azure cloud services.

Languages and tools

- Java
- C#
- C/C++
- Node.js
- JavaScript
- ESXi
- Active Directory

- Azure
- Linux/Unix
- AWS
- Python
- RISC-V
- Server Hardware
- Networking

Other

- Participated in the Newton Improvement Team, a team of students that studied the Town of Newton's downtown area by interviewing store owners, pedestrians, and government officials; Then developed a website displaying the data as well as presenting the data to the City Council and Mayor during a council meeting.
- Was interviewed and appeared in the local newspapers multiple times about projects and volunteer work in the area and within Discovery High School.
- Expanded and maintained/ran visuals and online streaming for a local church. Installed new computer, multiple projector displays, and new camera for use with online streaming.
- Completed home network/server rack with multiple servers for use as test environment and hosting for personal projects.
- Wrote Discord music bot from ground up for use in personal server with friends.