

Andrew Liebowitz

SYSTEM ADMINISTRATOR
BACKEND DEVELOPER

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Education

Brooklyn College, Expected Graduation: June 2018
Bachelors of Science in Computer Science - GPA 3.8

Skills

Experience

Computer Technology Specialist

Ft. Hamilton HS | Brooklyn, NY

Servers, Networking, and Automation

November 2015 - Current

- Implemented WSUS services on multiple VLANs providing local repositories of windows updates to keep devices updated without using bandwidth.
- Implemented WDS services to enable PXE booting across the entire network for imaging.
- Utilized MDT to granularly control every aspect of the imaging process including updating the application repository and custom scripting for school specific applications.
- Implemented Active Directory for directory services, GPO distribution, and secure appropriate access to file shares.
- Setup backups to NAS storages with per-user viewing rights and HTML5 SSL secured web access.

Border Protect

- Integrated the first 3rd party wireless network segmentation and management system in the DOE to implement MAC whitelisting and DHCP control over the wireless network.
- Worked closely with Diit NOC supervisors and engineers and Diit wireless team regarding the integration including configuration, testing criteria, and working out any and all outstanding issues.
- Saved approximately 60-70% daily bandwidth usage and enabled educational technology in the school to be utilized fully.

SPOC Role (Single Point Of Contact)

- Relay critical information from my site to and from the Department of Instructional Information Services (DIIT), and to and from other schools keeping as many institutions informed about critical network issues, downed services.
- Participating in online and in-person committee meetings with multiple hundred people discussing imaging, networking, and critical security issues in a collaborative issue to progress the technological abilities of the department.
- Tests and provides feedback on upcoming pilots and trials of new software/system equipment.

Computer Technology Specialist

PS 105K The Blythebourne | Brooklyn, NY

Google Apps For Education and The Cloud

January 2012 - November 2015

- Implemented Google Apps For Education and employed Professional Development sessions and guidance to the students and faculty. All 3rd, 4th, and 5th grade students used Google Classroom along with many core Google Apps like docs, slides, sheets, drive, etc. to collaborate online.
- Helped teachers better utilize MeasuringUpLive and other cloud based testing and software suites to collect better data on their students performance.

Device and Inventory Refresh

- Executed a 3 year plan to achieve a 1:1 student-to-device environment by augmenting/upgrading our inventory of over 1000 devices to current generation models to comply with requirements for online testing and NYCDOE standards.
- Integrated 300+ iPads into the classroom using the Apple Volume Purchasing Program, Apple Configurator, and Cisco Meraki to wirelessly manage the devices, remotely install both paid and free apps, and ensure proper usage with enforcement profiles.
- Upgraded printers to newer Lexmark devices, ensured proper functionality, and network accessibility. Integrated Papercut with our printers to provision color printing, create and monitor quotas, and save time and money by using less paper and ink.
- Audited the official inventory to save money on warranty coverage and created a complete inventory system from scratch using barcode scanners and google drive, and documented the process so it could go on to be used by many other schools.

Network Infrastructure and Endpoint Management

- Maintained wireless/wired infrastructure, configured switches, acted as single point of contact for the NOC and DIIT in resolving network issues. Helped IBM/Lenovo complete a network wide refresh replacing all access points, servers, switches, and hands on troubleshooted issues.
- Worked with DIIT to provision more bandwidth to facilitate our device quantity and our new network. Worked with DIIT on numerous pilots.
- Pioneered a new imaging process for faster updating and quicker provisioning of new Windows based desktops and laptops based on Microsoft Deployment Toolkit 2013 and Windows Deployment Services.
- Utilized remote desktop tools to work with users while solving their problems, collected data about the computers in our school with PDQ Inventory, managed installed computer software PDQ Deploy, implemented group policy and active directory to keep students focused, and empowered teachers with LANSchool.

Math & Programming Tutor

January 2012 - November 2015

Brooklyn College Learning Center | Brooklyn, NY

Tutoring in Programming and Pre-Calculus

- Worked with students ranging from the highly proficient looking for peer review to those struggling to grasp basic concepts.
- Created and participated in professional development sessions intended to share tutoring strategies and how to better help the students.

Basic System Administration

- Volunteered time to the computer lab in the learning center helping students with computer ailments and also maintaining the desktops, printers, and servers that were vital to the tutors, staff, and students.
- Advised on the definition of the technological refresh policy for the colleges and helped integrate the Learning Center into the IT infrastructure of the college campus.

Side Projects

Melee Gaming Association

Sideboard