Donald Yang

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson School of Engineering and Applied Science
Bachelor of Science in Computer Science — Graduated 2023

SKILLS

Certifications: CompTIA Security+, AutoCAD Certiport Certified 2017, OSHA 10-Hour Construction Safety and Health
Languages: Python, C++, SQL, C, C#, Bash, PowerShell, JavaScript, HTML5, Basic CSS3
Tools & Software: Kafka, Jenkins, SQLite, Flask, WireShark, pfSense, AutoCAD
Platforms: Linux, UNIX, Windows, VMWare vSphere 6/7
Container Orchestration: Docker, Kubernetes
Server Management: EOL Transitions, Patching, Upgrading, Troubleshooting
Data Integration & CI/CD: Data Pipelines, Jenkins Automation

WORK EXPERIENCE

Deltek, System Administrator Intern – Remote — June 2022 – August 2022

- Orchestrated the EOL transition for Windows Server 2012 R2 systems, mitigating potential vulnerabilities and ensuring continuous service through coordinating decommissioning, in-place upgrades, and VM requests.
- Enhanced IT communication strategies, fostering clear collaboration through detailed emails and discussions; recognized for exceptional customer service, streamlining server management procedures, and boosting user satisfaction.
- Leveraged VMWare vSphere to optimize infrastructure management, including organizing server tags, managing external server lists, executing patches, and implementing system rollbacks to maintain service integrity.
- Drafted comprehensive documentation on Windows Server 2012 R2 EOL transition and led team training sessions, ensuring knowledge transfer and reinforcing best practices within the team.

Tottenville High School, Technical Aide – Staten Island, NY — June 2019 – July 2019

- Installed Mac/Windows operating systems and printer drivers, streamlining computer setups for school use.
- Assembled and set up computers with the necessary cables and hardware, ensuring students had functional systems.

Configured and optimized networking equipment, facilitating stable Ethernet connections for improved connectivity.

PROJECTS

Continuous Data Integration/Deployment System (CDIS) — June 2023 – August 2023

- Designed a comprehensive data pipeline for sensor data, from simulation to visualization.
- Leveraged Kafka for robust data transmission; stored data in SQLite for lightweight application purposes.
- Achieved system scalability and efficiency by implementing Docker for microservices and Jenkins for CI/CD automation.
- Integrated Kubernetes-based unit tests, ensuring system integrity.
- Built a Flask app for seamless data visualization.

ZoomEase — July 2023 – August 2023

- Overhauled, cleaned, and optimized application code, including the integration of C#'s built-in functions, refined error-handling, and removal of redundant logic.
- Introduced a consistent method for HTTP client response evaluations, leading to a reduction in error occurrences and a more reliable user experience.

Virtual Home Lab — October 2020 – August 2021

- Established GPOs and a centralized file server, streamlining device management and ensuring secure data storage.
- Enhanced overall network security with VLAN segmentation, effectively reducing potential attack vectors.
- Seamlessly integrated pfsense LDAP with Windows DC, promoting a robust, secure AD login mechanism.
- Deployed Pi-Hole domain-wide, speeding up web browsing, minimizing ads, and bolstering domain name resolution through a recursive DNS.

Lost In Space (Platformer) — October 2019 – December 2019

- Spearheaded both the backend and frontend development of a Python-based side-scrolling game using Pygame, seamlessly integrating game physics, player dynamics, and the overall game loop.
- Achieved 3rd place among nearly 30 teams by crafting an engaging player experience with dynamic platforms, a time-based scoring metric, and a cohesive game loop structure.

RELATED EXPERIENCE

Google Tech Challenge 2019 — September 2019

- Won 1st Place among a dozen campus teams by working with three colleagues in coding speed-runs and puzzles.