

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

Deltak, 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.