

# 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* *Summer 2023*

## TECHNICAL SKILLS

**Certifications:** CompTIA Security+, AutoCAD Certiport Certified 2017, OSHA 10-Hour Construction Safety and Health

**Languages:** Python, C++, C, C#, Bash, Javascript, HTML5, Basic CSS3

**Tools & Software:** Kafka, Jenkins, SQLite, Flask, pfSense, AutoCAD, MS Office Suite

**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

## PROJECT EXPERIENCE

**Continuous Data Integration/Deployment System (CDIS), Independent Developer** *June 2023 - August 2023*

- Designed a data pipeline for sensor data, from simulation to visualization.
- Used Kafka for data transmission; stored data in SQLite for lightweight application purposes.
- Containerized microservices using Docker for enhanced scalability and automated CI/CD with Jenkins.
- Established unit tests and ensured data persistence with Kubernetes.
- Created a Flask app for data visualization using Plotly.

**ZoomEase, Developer**

*July 2023 - August 2023*

- Optimized code, reducing redundancies and enhancing clarity.
- Refactored code to implement more specific error handling, and leverage native methods.

**Virtual Home Lab, Independent Administrator**

*October 2020 - August 2021*

- Practiced administration in Windows AD; Implemented GPOs and established a centralized file server.
- Integrated pfsense LDAP authentication with Windows DC for AD login.
- Segregated network traffic using VLAN and enhanced security.
- Implemented Pi-Hole as a domain-wide ad-blocker and established recursive DNS for improved privacy.

**Lost In Space (Platformer), Independent Developer**

*October 2019 - December 2019*

- Developed and implemented using Python; focused on GUI, JSON data storage, game mechanics, and animations.
- Managed workload and time autonomously within the task assigned to deliver to specification and schedule.

**Scraper Script, Independent Developer**

*August 2019 - October 2019*

- Built a Python application to precisely pull and parse raw HTML from a webpage to monitor prices during sale.

## PROFESSIONAL EXPERIENCE

**Deltek, System Administrator Intern**

*June 2022 - August 2022*

- Managed end-of-life transition for a significant portion of Windows Server 2012 R2 systems, ensuring smooth upgrades and continuity.
- Navigated scheduling challenges for upgrades ensuring minimal disruptions to users.
- Took the initiative to clarify server management options for users by recommending a comprehensive communication strategy. Consistently maintained clear communication in emails, outlining precise options for server users.
- Received recognition for exceptional customer service and effective communication, which streamlined server management procedures and increased user satisfaction.
- Crafted detailed documentation on Windows Server 2012 R2 upgrade steps and imparted hands-on training to a team.

**Tottenville High School, Technical Aide**

*Summer 2019*

- Installed Mac/Windows operating systems and printer drivers for school use.
- Assembled computers for students, including setting up cable and hardware.
- Configured and tuned networking equipment to establish Ethernet connection

## RELATED EXPERIENCE

**Binghamton ACM Programming Competition 2019**

*Fall 2019*

- Engaged in three coding challenges; honed debugging and code optimization skills.

**Google Tech Challenge 2019**

*September 19, 2019*

- Secured 1st Place among campus teams in coding speed-runs and puzzles.