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   *2019 - 2023*

TECHNICAL SKILLS

Certifications: CompTIA Security+, AutoCAD Certiport Certified 2017, OSHA 10-Hour Construction Safety and Health
Languages: Python, C++, SQL, 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 remote 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.