

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 Certipoint 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.
- 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 visualization.

ZoomEase, Developer

July 2023 - August 2023

- Optimized and refactored code, enhancing efficiency and clarity.
- Implemented specific error handling strategies and utilized native methods.

Virtual Home Lab, Independent Administrator

October 2020 - August 2021

- Practiced Windows AD administration, GPOs integration, 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, guaranteeing uninterrupted service and smooth upgrades.
- Initiated and recommended a clear communication strategy to users; consistently upheld transparency through detailed email communications and interactive calls.
- Received recognition for exceptional customer service and effective communication, which streamlined server management procedures and increased user satisfaction.
- Crafted comprehensive documentation on Windows Server 2012 R2 upgrade steps and imparted 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

Fall 2019

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