Donald Yang

Brooklyn, NY │ 929-561-1319 │ dyang32@binghamton.edu │ https://dyang21.github.io

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, Bash, Javascript, HTML5, Basic CSS3
Tools & Software: Kafka, Jenkins, SQLite, Flask, VMWare vSphere, Oracle VM Virtualbox, AutoCAD, MS Office (Word, PowerPoint)
Platforms & Technologies: Docker, Kubernetes, Linux, Windows, UNIX, Windows Server 2012 R2, VMWare VSphere 6/7
Server & System Administration: End of Life management, System identification and installation, Server patching and upgrading, Troubleshooting
Data Integration & CI/CD: Data pipelines, CI/CD automation, Container orchestration

PERSONAL PROJECT EXPERIENCE

Continuous Data Integration/Deployment System (CDIS), *Independent Developer*   *June 2023 - August 2023*
- Developed a data integration pipeline for sensor data simulation, ingestion, processing, and visualization
- Employed Kafka for producing and transmitting simulated sensor data and stored in SQLite for lightweight application purposes
- Containerized microservices (data generator, processor, Flask app) for enhanced scalability using Docker
- Automated the CI/CD pipeline with Jenkins, integrating tasks from code checkout to Kubernetes deployment
- Used a dedicated Docker network for Jenkins ensuring better security and connectivity between containers.
- Established unit tests validating data-related functionalities
- Ensured data persistence across deployments with Kubernetes Persistent Volumes and Claims
- Designed a Flask web application visualizing sensor data using Plotly

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 (Internship). *System Administrator*   *June 2022 - August 2022*
- Managed End of Life for Windows Server 2012 R2.
- Developed and tested new procedures for project management.
- Authored Powershell scripts for automation, including email management and server identification.
- Identified and organized Ivanti devices using Powershell; documented steps for Windows Server 2012 R2..
- Documented installation and troubleshooting steps for Windows Server 2012 R2 Dispositions.
- Assisted in administering VMWare VSphere 6/7 environment and ensured optimal server operations.

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 while on a team of five
- Competed with a dozen teams on coding speed-runs and puzzles at the campus