Donald Yang

929-561-1319 | dyang32@binghamton.edu | github.com/dyang21 | 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   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

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, convenient 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.

WORK EXPERIENCE

Deltek, System Administrator Intern – Remote   June 2022 – August 2022
- Orchestrated the EOL transition for Windows Server 2012 R2 systems, coordinating decommissioning, in-place upgrades, and VM requests to ensure continuous service.
- Fostered clear communication and collaboration by devising a transparent strategy, utilizing detailed emails and collaborative discussions, enhancing user understanding and cooperation.
- Received recognition for exceptional customer service and effective communication, which streamlined server management procedures and increased user satisfaction.
- Drafted in-depth documentation on Windows Server 2012 R2 EOL transition and conducted team training sessions.

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.

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.