Donald Yang

Brooklyn, NY | 929-561-1319 | dyang32@binghamton.edu | https://github.com/dyang21 | 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   *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, WireShark, 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.