

# Daniel Garza

[danielggarza03@gmail.com](mailto:danielggarza03@gmail.com) | <https://37DG.github.io> | <https://github.com/37DG>

## SUMMARY

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Aspiring System Administrator with years of personal and volunteer experience in IT management, maintenance, and troubleshooting. Skilled in the 3 major operating systems (Windows, MacOS, Linux) and maintains a server utilizing kernel virtualization, load balancing, storage redundancy, and private VPN tunneling.

## EDUCATION

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### University of Houston

*Bachelor of Science in Computer Science, Cybersecurity Sequence*

Houston, TX

*Aug. 2023 – Expected May 2025*

### Lone Star College

*Associate of Science in Computer Science, Magna Cum Laude*

Houston, TX

*Aug. 2021 – May 2023*

## EXPERIENCE

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### Private Server Deployment

August 2023 – January 2024

*Residential Building*

*Houston, TX*

- Deployed a Proxmox Virtual Environment server virtualizing three Ubuntu Server machines
- Connected 15 IoT devices to a virtual server capable of receiving and displaying data over HTTP/S and allowed user control of various functions such as light color, room temperature, and camera view
- Deployed containerized services designed to replace common cloud services such as Google Drive and Spotify as well as local DNS records leading to an NGinX proxy allowing easy access to each service from a standard internet browser
- Initialized a 5 terabyte media storage and virtual streaming server capable of instantaneous streaming to multiple devices within a private network as a replacement to multiple CD and DVD shelves

## RELEVANT SKILLS

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- Knowledge of C/C++, JS, Python, C#/.NET, SQL, and PHP
- Capable of website development using Django or Node.JS
- Experience with terminal scripting (Powershell, Bash)
- Confidence in handling common end-user IT tasks (such as those involving PCs, laptops, or printers)
- Ability to deploy and maintain Docker containers and networks using both a CLI and GUI
- Understanding of Linux server workflows, troubleshooting, and working on and within KVMs
- Native English fluency
- Proficiency in writing reports and documentation

## PROJECTS

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### Form Submission and Approval Website | University of Houston

January 2025 – April 2025

- Created a website using the Django Python framework
- Handled data storage using a MySQL database and Django's Models API
- Utilized Docker containers to allow easy deployment in various situations
- Worked in a group of 3 using Agile techniques and Git

### Networked Programs | University of Houston

April 2024 – April 2024

- Created 2 programs (client and server) capable of communicating through TCP sockets using standard C system libraries within a virtualized Linux environment
- Provided skills in C, barebones application-layer networking, and developer workflow within a Linux terminal environment