

Daniel Garza

(346) 217-2155 danielggarza03@gmail.com <https://github.com/37DG> www.linkedin.com/in/daniel-garza-15b1b1326

EDUCATION

University of Houston, Houston, TX

Bachelor of Science, Computer Science

Expected May 2025

Capstone: Cybersecurity

GPA: 3.5

Lone Star College, Houston, TX

Associate of Science, Computer Science, Magna Cum Laude

May 2023

RELEVANT COURSEWORK

Intro to Computer Networks, Cybersecurity, Database Systems, Intro to Operating Systems, Algorithms and Data Structures, and Intro to Web Development

PROJECT EXPERIENCE

Video Game Display and Review Website

Developing a website that uses a self-designed database

July 2024 - Present

- Developing a website containing game information such as titles, covers, descriptions, and online ratings as well as a personal review for more than 20 games viewable from a central search page
- Leverages HTML/CSS, PHP, native JS, and a backend server running MySQL
- Refining skills in Apache, PHP, full-stack web development, database design, and program deployment in a virtualized Linux environment

Cafeteria Website, University of Houston

Created a website with front-end and back-end components

January 2024 - May 2024

- Designed and developed a multi-page website using HTML, CSS, and JavaScript
- Created a server backend using Express and Node.js to deliver food information and descriptions dynamically
- Provided skills in git, frontend design, DOM management, HTML structuring, and JS APIs

Networked Programs, University of Houston

Developed programs to explore communication over a network

April 2024 - April 2024

- Created 2 programs (client and server) capable of communicating through TCP sockets utilizing 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

VOLUNTEER EXPERIENCE

Private Residence Server Deployment

August 2023 - January 2024

- 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
- Established 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

SKILLS

- Knowledge of C/C++, javascript, Python, Java, C#/.NET, SQL, and PHP
- Capable of troubleshooting end user systems on a hardware level
- Understanding of Linux (Ubuntu/Debian) servers, command-line environments, and SSH
- Knowledge of virtualization (Proxmox/VirtualBox) and containerization (Docker)
- Native English fluency and comfortable writing reports/summaries/documentation