

[JairCodes](#)[Jair Ramirez](#)[jairramirez.tech](#)

# Jair Ramirez

(512) 913-3021 | [jairr0813@gmail.com](mailto:jairr0813@gmail.com)

## EDUCATION & CERTIFICATIONS

Texas State University

San Marcos, TX

BS, Computer Science (Minor: Mathematics)

August 2025

Relevant Coursework - Data Structures & Algorithms ○ Object Oriented Programming ○ Database Systems

○ Computer Architecture ○ Assembly Language ○ Computer System Security ○ Computer Sys Fundamentals

CompTIA

Network+ Certification

In Progress

## PROFESSIONAL EXPERIENCE

Outlier AI

Austin, TX (Remote)

Software Engineer - AI Consultant

April 2024 - Present

- Accomplished **alignment of AI model outputs** with user expectations by evaluating results based on specific user criteria.
- Enhanced **AI model performance** by developing ideal responses that served as benchmarks for training data, aligning model behavior with user prompts.
- Accomplished **swift resolution of technical issues** by effectively addressing complex AI model behavior challenges.
- Improved **development efficiency** by swiftly troubleshooting and resolving AI model issues.

## PROJECTS

Home Networking Lab | Cisco Routers & Switches, VLANs, Routing Protocols, CLI

Jan. 2025 - Present

- Building a home lab using **Cisco 1841** and **2801 routers**, along with **Catalyst 3550** and **2960 switches**, to develop networking skills. Gaining hands-on experience with **VLANs**, **inter-VLAN routing**, **trunking**, and **dynamic routing protocols**. Learning device configuration using **CLI tools** like **PuTTY** and analyzing network traffic with **Wireshark**.

VM SandBox Project | VirtualBox, pfsense, Ubuntu, Kali Linux, Wireshark |

November 2024

- Developed A **virtual sandbox** environment using **VirtualBox** and **pfsense** to simulate **secure network configurations**. Showcased proficiency in **virtualization**, **network routing**, and **Linux system administration**.

NimbusNX | Python, WolframAlpha API, Wikipedia API, SpeechRecognition, PyAudio |

August 2024

- **Python-based AI assistant** that uses **voice commands** for tasks like web searches, **computations**, and note-taking. It integrates WolframsAlpha and Wikipedia for **quick data** retrieval and personalizes interactions by remembering user's names, providing a tailored, hands-free experience.

AOTY-ETL | Pandas, Seaborn, Matplotlib, Python |

November 2024

- Built an **ETL pipeline** to extract, clean, and load data for analysis. Showcased proficiency in **data transformation** and **Python-based automation**, ensuring **data quality** and **reliability**.

## TECHNICAL SKILLS

**Programming Languages** - ○ Python ○ SQL ○ Java ○ C++ ○ C ○ Bash/Shell Scripting ○ Verilog ○ MIPS32 ○ HTML ○ CSS

**Software** - ○ VisualStudio Code ○ GitKraken ○ BitBucket ○ GitHub ○ PuTTY ○ Excel ○ Wireshark ○ Apache Spark ○ Docker

○ AWS Glue ○ Overleaf ○ Kali Linux ○ Ubuntu Linux ○ Pfsense

**Technical Troubleshooting** - Proficient in **diagnosing** and **resolving** networking issues, including device misconfigurations, connectivity problems, and routing.

**Debugging** - Adept at analyzing **network logs**, **configurations**, and **traffic patterns** to pinpoint and resolve errors, ensuring smooth network operations.

## SUMMARY OF QUALIFICATIONS

- **Deadline-driven** with a strong ability to manage multiple projects efficiently
- **Highly adaptable**, quickly learning new data tools, platforms, and methodologies
- **Collaborative problem-solver** with experience working in **team environments** to achieve common goals
- Building expertise in **network design**, **device configuration**, **VLAN management**, **routing protocols**, and **network configuration/security**.