JairCodes | Jair Ramirez | jairramirez.tech

Jair Ramirez

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EDUCATION & CERTIFICATIONS

Texas State University   San Marcos, TX
BS, Computer Science (Minor: Mathematics)   *July 2025*

Relevant Coursework - **Data Structures & Algorithms** ○ **Object Oriented Programming** ○ Compiler Construction ○ **Computer Architecture** ○ Assembly Language ○ **Computer System Security**

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

EmploymentDataETL | AWS Glue, Python, PySpark, Amazon S3 | Dec. 2024 - Present

- Developing an **ETL pipeline** using **AWS Glue** to extract, clean, and load employment data for analysis. Building proficiency in **data transformation**, **cloud-based automation**, and integration with **S3** for data storage and reliability.

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**.

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**.

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.

TECHNICAL SKILLS

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

Libraries - ○ Numpy ○ Pandas ○ Matplotlib ○ SQLite3 ○ Seaborn

Software - ○ VisualStudio Code ○ GitKraken ○ BitBucket ○ GitHub ○ Apache Spark ○ Docker ○ Jupyter Notebook ○ Excel ○ AWS Glue ○ Overleaf ○ Wireshark ○ Kali Linux ○ Ubuntu Linux ○ Pfsense

Technical Troubleshooting - Proficient in **diagnosing** and **resolving data pipelines,** scripts, **databases** and **network issues**.

Debugging - Adept in navigating through **code**, **logs**, and **datasets** to pinpoint and resolve errors, ensuring smooth execution of data workflows.

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 **data manipulation**, **ETL processes**, **database integration**, and **network configuration/security**.