

Mauricio Martinez

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Summary

UTRGV cybersecurity student targeting Security Analyst Intern. Focus: network defense, incident response, log/telemetry analysis, applied time-series methods. Projects: open-source Gulf ETL + dashboard; dataset downscaled 73.96% (6,690 to 1,742) via feature pruning and validation to improve signal quality. Skills: Python, LangChain, Pandas, NumPy, Bash, PowerShell, Git, Conda; platforms: Windows, Linux/Kali; hardware: Raspberry Pi. GPA 3.6; graduation June 2027.

Skills

Programming Languages: Python; JavaScript/Typescript; HTML/CSS; Bash; PowerShell

Data/ML Libraries: NumPy; Pandas

Frameworks: Django; React Native (Expo)

Tools & Platforms: Git; GitHub; Conda; VS Code; Jupyter; Windows; Linux/Kali; Raspberry Pi; Jest; ESLint

Visualization & Mapping: Chart.js; Leaflet

Security: network defense fundamentals; incident-response triage basics; Linus/Kali usage; Wireshark; basic reverse engineering; encoding/decoding

Data Engineering: ETL; API ingestion; data cleaning; reproducible pipelines; version control; environment management

Specializations: time-series analysis on telemetry; reproducibility-first workflows; lightweight automation

Learning Next (exposure/aware): SQL; Docker; CI/CD (GitHub Actions); pytest; Splunk; EDR/NDR tooling; scikit-learn; AWS/Azure/GCP

Experience

Student Academic Assistant | University of Texas Rio Grande Valley (Computer Science Dept.) | Sep 2025 - Present

- Assisted faculty, students, and graduate researchers with academic and technical inquiries for CS coursework and projects, improving understanding and project outcomes.
- Resolved routine issues and documented guidance to improve turnaround for common questions.

Mentor | University of Texas Rio Grande Valley (P-16 Outreach & Testing Services) | Mar 2025 – Sep 2025

- Mentored 21 students; served as Resident Assistant for two summer camps; supported program events.
- Managed communications and materials using Microsoft Teams, Zoom, and Canva to track participation and outreach.

Education

The University of Texas Rio Grande Valley

Bachelor of Science - BS, Cybersecurity

- **GPA:** 3.6

Aug 2023 - Jun 2027

Edinburg, TX 78539-2999, USA