# JOSE “SHINKIRO” SALINAS MEZA

Electrical & Computer Engineering | Hardware–Software Systems | AI
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## SUMMARY

Electrical & Computer Engineering student with hands-on experience in computer architecture, digital and analog hardware, and applied machine learning. Experienced in building end-to-end systems from pipelined CPUs and PCB-level analog circuits to data-driven ML models and network-scale analysis. Seeking Summer 2026 engineering internships in hardware, software, systems, or AI-adjacent roles; open to relocation across the U.S and remote opportunities**.**

## EDUCATION

University of Arizona — B.S. Electrical & Computer Engineering
Minor Focus: Computer Science & Artificial Intelligence
Expected Graduation: 2026

## TECHNICAL SKILLS

Programming & HDL: Python, C/C++, Java, Verilog, MATLAB, MIPS Assembly, HTML/CSS
Hardware & ECE: FPGA (Vivado), Digital Design, SPICE, PCB Design (Eagle/KiCad)
AI & Data: PyTorch, scikit-learn, NumPy, pandas, Matplotlib
Tools: Git, GitHub, Linux, VS Code
Languages: English (fluent), Spanish (native)

## PROJECT EXPERIENCE

**5-Stage Pipelined MIPS CPU — Verilog, Vivado**

- Designed a fully pipelined MIPS-like CPU with IF/ID/EX/MEM/WB stages
- Implemented hazard detection and forwarding logic
- Verified correctness via simulation and waveform inspection

**Audio Power Amplifier PCB — Analog Circuits**

- Designed multi-stage amplifier with op-amp preamp and push-pull output stage
- Simulated gain, stability, and distortion using SPICE
- Designed custom PCB layout

**Neural Networks vs Naive Bayes — PyTorch**

- Implemented and compared neural networks against Naive Bayes baseline
- Tracked learning curves and overfitting behavior

**Internet AS Topology Analysis — Python**

- Built provider-to-customer graphs and computed customer cones
- Analyzed routing hierarchy and scalability

## ENGINEERING EXPERIENCE

- Computer Architecture Team Project — pipelined CPU design and hazard logic
- Networking Simulations — CSMA/CA, RTS/CTS, throughput analysis
- Embedded Systems — dual-axis solar tracking system

## INTERESTS

Computer architecture, software, circuits, hardware acceleration, applied machine learning, semiconductor systems, and large-scale technical systems.