GARYLEE NUNEZ

Austin, TX | garyleenunez@utexas.edu |linkedin.com/in/garyleenunez | github.com/sumwithouti| garyleenunez.com

SKILLS

Machine Learning & AI: TensorFlow, OpenCV, Anaconda, Pandas, Scikit-learn, Matplotlib, GBM, Random Forest, Ridge, LightGBM, XGBoost

Programming Languages: Java, C, C++, Python, TypeScript, HTML/CSS, Rust

Tools: Git, GitHub Actions, Node.js, Next.js, React, Bazel, Tailwind, Bootstrap, GNU Linux, Vercel, Supabase, Stripe, Resend, Sentry, Claude Code, Superbase, Cloudflare, GDB, VIM, Valgrind

EXPERIENCE

956 AI Agency LLC – McAllen, Texas **May 2026 – Present**

Co-Founder / Software Engineer

- Own product and engineering for a bilingual (English/Spanish) AI-receptionist and website SaaS for SMBs — roadmap, phase-gated releases, client onboarding, and TCPA/A2P 10DLC compliance.
- Shipped the production multi-tenant app in Next.js, React, TypeScript, Node.js, Tailwind CSS, and Material UI on Vercel; Supabase Postgres/Auth with row-level security and route middleware isolate each client's data.
- Designed and built "Gloria," a bilingual (English/Spanish) AI voice agent: conversation design and system prompts, intent classification and tool calling on Claude Haiku, ElevenLabs TTS and Twilio telephony, plus n8n workflows that book, reschedule, and cancel appointments via GoHighLevel calendar APIs.

Texas Rocket Engineering Lab – Austin, Texas **August 2025 – Present**

Software Engineer

- Engineered high-frequency telemetry dashboards that aggregate and visualize asynchronous data streams, enabling 10+ engineers to perform concurrent motor diagnostics and command execution for 30+ motors.
- Enhancing client-side infrastructure using Server-Sent Events (SSE) and fine-grained notifiers for selective re-rendering, successfully supporting high-throughput data streams of 1M+ updates/sec.
- Architecting a dual-kernel real-time flight computer on a Raspberry Pi 5, running the Xenomai real-time core alongside Linux via Dovetail so GPS, IMU, and temperature-sensor acquisition and the guidance, navigation, and control (GNC) loop execute with hard deadlines while telemetry, logging, and diagnostics run on standard Linux.

Texas Robotics Alliance – McAllen, Texas **December 2025 – Present**

Robotics Mentor / Teacher

- Guided students in integrating TensorFlow and OpenCV with Time-of-Flight sensors for precise localization and object detection, increasing autonomous accuracy by 68%.
- Developed simulation-driven environments to test PID loops and path planning algorithms before deployment, reducing hardware failure by 70%.

EDUCATION

University of Texas at Austin – Austin, TX **August 2025 – May 2028 (Expected)**

- ***Bachelor of Science in Computer Science*** **GPA: 3.5**
- **Relevant Coursework:** Data Structures, Discrete Math, Matrices/Matrix Calculations, Computer Organization and Architecture, Machine Learning, Operating Systems, Differential Equations, Statistics & Probability, and Linear Algebra

South Texas College – McAllen, TX **August 2023 – May 2025**

- ***Associate of Multi-/Interdisciplinary Studies*** **GPA: 4.0**

PROJECTS

CS 429 System Emulator — Computer Architecture, UT Austin **April 2026**

- Built a cycle-accurate, 5-stage pipelined AArch64 (ARMv8) processor simulator in C implementing Fetch, Decode, Execute, Memory, and Writeback stages and a 42-opcode ARM instruction set, decoding and executing hand-written and compiler-generated ARM assembly across ~1,700 lines of pipeline logic.
- Designed data-hazard forwarding across 3 pipeline paths (Execute, Memory, Writeback → Decode) and control-hazard stalling/bubbling logic, using GDB to step through pipeline register state cycle-by-cycle and isolate incorrect forwarding and branch-timing bugs at the instruction level.

Embedded Systems, MITES (Massachusetts Institute of Technology) – Virtual **June 2024 – December 2024**

- **Embedded Systems Development:** Engineered a wireless monitoring system using a Raspberry Pi Pico W and C++, integrating Wi-Fi with Webhooks for real-time cloud data transfer.

Datahack 2026, The University of Texas at Austin – Austin, TX **April 2026**

- Placed 3rd of 22 teams by engineering a five-model ML ensemble (GBM, Random Forest, Ridge, LightGBM, XGBoost) with 45+ session-derived features to predict customer lifetime value and optimize retention promotion allocation for a music streaming platform, capturing 87% of maximum possible CLV.