Eric Zhu

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering - Gainesville, FL **Expected Dec 2027**
Bachelor of Science in Computer Science | GPA: 3.67/4.00 | Dean's List
Relevant Coursework: Data Structures & Algorithms, Algorithm Design, Operating Systems, Database Systems, Computer Networks (Spring 2027), Computer Organization, Programming Language Concepts, Discrete Structures

TECHNICAL SKILLS

Languages: Python, Java, C++, TypeScript/JavaScript, Dart, SQL, Swift, HTML/CSS
Backend & Data: Firebase (Auth, Firestore, Cloud Functions, Hosting), Node.js, REST APIs, SQLite, AWS
Mobile, Web & AI: Flutter, React, Vite, Tailwind, Claude API, LLM agents, RevenueCat, Git, Linux

PROJECTS

Founder & Software Engineer - Ora: AI Training Coach (Orbi Labs LLC) **Jan 2026 - Present**
Flutter, Dart, Firebase, Cloud Functions, Firestore, SQLite, Claude API, iOS/Android

- Founded Orbi Labs LLC and built Ora, an AI training coach across lifting disciplines (powerlifting, bodybuilding and more) for iOS, Android and web, as its sole engineer: 570+ merged pull requests and 1,200+ automated test files, with builds shipping to TestFlight and Google Play testing for 10+ beta testers.
- Built the account and social backend on Firebase with 86 deployed Cloud Functions: email, Google and Apple sign-in, unique usernames, account deletion, friends, groups with invite codes, push notifications and a weekly leaderboard.
- Designed an offline-first SQLite store with 97 versioned schema migrations for sets, reps, RPE, load, rest and soreness, feeding deterministic progression engines; Firestore holds account and social data.
- Built “Orbi,” a Claude-powered coach served from a Cloud Function that routes everyday chat to a fast model and program reviews to a larger one, with prompt caching and per-user and monthly spend caps.

EricOS: Personal Automation and Agent-Orchestration Hub **Sep 2026 - Present**
TypeScript, Node.js, React, Python, LLM coding agents, Linux

- Built a local command center (TypeScript, Node.js, React) that runs 20+ scheduled automations, including a morning brief, school-deadline reminders and a job scan, with a dashboard reachable from my phone over Tailscale.
- Built a daily job-scan pipeline that sweeps 527 Greenhouse, Lever and Ashby company boards plus tracker lists (3,300+ postings), fetches each posting to drop closed or scam listings, and ranks new ones by fit with an LLM.

Founder & Head Developer - Multiplayer MMORPG (Roblox) **Jun 2020 - Aug 2023**

- Solo-built and publicly released a multiplayer RPG (781 visits, 28 testers): 7,000+ lines of Luau across 75+ scripts, session-locked player saves, real-time melee combat with combos, blocking and ragdolls, spawning NPC enemies, quests, and a day/night and weather cycle.

LEADERSHIP & EXPERIENCE

IEEE Signal Processing Society @ UF - Chief of Operations **May 2026 - Present**

- Manage operations for a 450+ member IEEE technical organization: officer workstreams, recurring workshops, speaker logistics and member communications for events with speakers from NVIDIA and Microsoft.

NEXUS Online Education Agency - Founder & Operations Lead **Jan 2024 - Dec 2024**

- Built course funnels, Stripe payment flows, email automation and a Google Sheets CRM (ad spend, cost per lead, close rate) for 2 client partners.