

Eduardo Cepeda Torres

Computer Science Student

Monterrey, N.L. | eduardoceto@proton.me | [LinkedIn](#) | [Github](#) | [Website](#)

EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey - ITESM

Graduation date: June 2027

Bachelor of Computer Science

GPA: 95/100

- Focused on advanced computer science concepts, programming, and applied technologies, with coursework in algorithms, data structures, and systems programming.

SKILLS

Programming Languages: C++, Python, JavaScript, Typescript, Swift, Rust

Libraries and Tools: Git, MySQL, Postgres, Bun.js, Node.js, React.js, Next.js, Flask, TailwindCSS, Agno, Convex, Nuxt, Vercel

Languages Spoken: Spanish (Native), English (C1), German (C1), Korean (Intermediate)

WORK EXPERIENCE

Nexus - Backend/Systems Engineer

May 2026 - Current

Engineered the concurrency architecture of the **Rust** risk engine for Nexus, a **San Francisco-based** verifiable spot and perpetual-futures exchange.

- Implemented atomic **pre-trade margin reservations** and position-aware checks to prevent order **overcommit**, recovering 15–31% throughput by optimizing lock acquisition.
- Hardened **mark-price oracles against manipulation** using **volume-weighted trade blending and snapshot-restore** validation.
- Built **observability** infrastructure for the risk engine, including **per-domain lock-wait** metrics and **TTL-cached admin endpoints** (76x faster on cache hits).

Constellation Brands - Fullstack/AI Engineer Intern

June 2026 - Current

Led **AI-governed** delivery and full-stack development of Winemaker Travel, an internal platform for coordinating sales requests, approvals, winery visits, and post-visit feedback.

- Built a tamper-resistant **Spec Kit/GitHub Copilot** governance framework that enforces the specification → planning → implementation → review lifecycle across Next.js, NestJS, and shared-library AI agents, including constitution checks, prompt gates, protected policies, and SHA integrity validation.
- Defined the platform's CQRS/BFF target architecture and hardened delivery through optimistic concurrency, database migrations, sanitized logging, and Docker/GitHub Actions.

Aindez - Fullstack/AI Engineer

October 2025 - May 2026

Architected an enterprise recruitment platform using **Django**, **FastAPI**, and **TanStack Start**, integrated with an autonomous **Agno**-based AI multi-agent system.

- Automating recruitment **lifecycle workflows**; connected FastAPI **microservices** with a TanStack frontend to enable **real-time tracking** and interview scheduling.
- Engineered a **dynamic formula evaluation engine** and **custom visual builder** (React/Zod) to manage complex compensation logic and compliance rules.
- Built intuitive **TailwindCSS dashboards** to unify autonomous AI agent tasks with standard ERP operations and external HR ecosystems.

PROJECTS

Startup Journal

November 2025 - August 2026

Spearheaded a collaborative product development initiative alongside **Emprendimiento Tec** and **SwiftTec** to build a comprehensive digital ecosystem that empowers founders to document their entrepreneurial journey, track KPIs, and analyze strategic goals.

- Engineered a native iOS app using **Swift**, **SwiftUI**, and **SwiftData** for responsive, persistent local data management.
- Developed intelligent advisory features by fine-tuning an **LLM** on academic research to deliver evidence-based business insights.
- Validated product-market fit through beta testing with incubator startups and led cross-functional efforts between engineering and business strategy.

COMPETITIONS, AWARDS & OTHERS

National - Enactus Change Makers Hackathon 2026 Winner

May 2026

Mexico City

- Won 1st place nationally in an **Enactus–Apple iOS** development competition.
- Built a native iOS HR platform for Mabe using **Apple Foundation Models**, **tool calling**, and cited enterprise data for private, reliable on-device assistance.
- Developed **predictive ML and semantic search** to estimate workflow outcomes and simplify employee self-service.

Tecnológico de Monterrey - iOS Hackathon Winner (AI/ML Category)

October 2025

Monterrey

- Won the AI/ML category, advancing to the national competition.
- Built a private, offline-capable **iOS travel companion** for **2026 World Cup** visitors using Apple Intelligence and native frameworks.
- Led the implementation of on-device **computer vision** for real-time text translation, landmark recognition, and context-rich travel guidance.