

Enzo Amaral

amaralsenzo@gmail.com | linkedin.com/in/enzosamaral | github.com/amaralenzo

EDUCATION

Purdue University

Bachelor of Science in Computer Science, Minor in Mathematics

West Lafayette, IN

Aug. 2023 - May 2027

Relevant Coursework: Database & Information Systems, Systems Programming, Computer Architecture, Web Application Development, Data Structures & Algorithms

EXPERIENCE

ServiceNow

San Diego, CA

Software Engineering Intern

May 2026 - Aug. 2026

- Extending Build Agent, ServiceNow's agentic app builder, with GraphQL API generation support for custom apps across Java and TypeScript.
- Contributing to Core Platform Runtime infrastructure for ServiceNow's app platform, working on developer-facing capabilities that expand what AI agents can generate and wire into production apps.

Astor (YC S25)

San Francisco, CA

Software Engineering Intern

Jan. 2026 - May 2026

- Built AI investment advisor from 0 to launch as one of 3 engineers; grew to 5K+ users with \$250M+ in assets connected in under 4 months.
- Architected tool-calling layer for the AI agent, integrating real-time market data retrieval, portfolio analytics, and personalized financial plan generation.
- Delivered end-to-end across iOS (Swift) and TypeScript backend, owning multiple core features from ideation to implementation.
- Developed internal MCPs for the growth and engineering teams to simplify and automate their workflows using agents.

Purdue University

West Lafayette, IN

Teaching Assistant - Computer Architecture

Aug. 2025 - Dec. 2025

- Supported 200+ students across weekly labs in systems fundamentals (pipelines, memory, assembly), translating low-level hardware concepts into clear, debuggable mental models.
- Guided students through hands-on lab exercises in C and assembly, breaking down complex debugging sessions into structured, reproducible problem-solving approaches.

BTG Pactual

Sao Paulo, Brazil

Software Engineering Intern - AI Asset Management & Funds

May 2025 - Aug. 2025

- Architected LLM-powered document pipeline serving 10,000+ monthly documents, reducing manual processing time by 75% using large language models to convert investment fund contracts into reusable templates.
- Built scalable backend infrastructure (.NET and Python) and designed a PostgreSQL database for an event-driven architecture with RabbitMQ.

Software Engineering Intern - Payments

May 2024 - Aug. 2024

- Engineered Kotlin/Spring Boot microservices processing \$2B+ monthly transactions.
- Maintained high availability of payment services by instrumenting KPI dashboards and log pipelines, proactively catching and mitigating 10+ incidents before customer impact.
- Boosted card payment processing performance by 13% through strategic optimization of database queries.

PROJECTS

Tavernkeep | TypeScript, Next.js, React, PostgreSQL, Tailwind CSS

December 2025 - Present

- Co-founded, built, and launched Tavernkeep, an open-beta tabletop RPG campaign manager with 300+ registered users and 230+ Discord community members.
- Served as sole engineer, shipping collaborative wikis, interactive Leaflet maps, in-game calendars, live character sheets, and real-time multiplayer editing with Tiptap/Yjs and Hocuspocus.

TECHNICAL SKILLS

Languages: TypeScript, Python, Swift, Java, Kotlin, C#, SQL

Tools & Frameworks: React, Next.js, GraphQL, PostgreSQL, Drizzle, Docker, AWS, Vercel, Temporal, PostHog, Vercel AI SDK