Simon Ocampo

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Education

B.S. in Computer Science at the University of Central Florida | GPA: 3.82 — May 2027

Experience

AI Solutions Developer — Dexter Global Business Solutions — Jun–Oct 2026

- Independently built ContractIQ, a React, TypeScript, and Supabase demo for contract intake, review, reporting, and approvals.
- Secured PostgreSQL data with row-level security, four user roles, tenant isolation, and document-scoped permissions.
- Engineered duplicate-safe uploads, transactional document versioning, and recoverable workflows; added automated tests and CI.

Software Engineer — Pactemos — Dec 2024–Jan 2025

- Built reusable contract templates with dynamic fields to simplify document preparation for legal operations teams.
- Standardized documentation workflows and supported internal tools for document approval and coordination.

Teaching Assistant — University of Central Florida — Aug 2025–Aug 2026

- Guided students in programming labs covering recursion, graph algorithms, and data structures.
- Reviewed coding assignments for correctness and runtime efficiency, explaining improvements in accessible terms.

Projects

ODDyssey — Backend & Simulation Lead | 2nd Place, ShellHacks Waymo Sponsored Track

- Built FastAPI endpoints and validated contracts for a public-data screening tool comparing 20 candidate and 15 reference metros.
- Engineered seeded seven-day fleet simulations with up to 200 vehicles, modeling demand, charging, wait times, and revenue.
- Implemented automated tests and deployed the application using Render, Vercel, Docker, and GitHub Actions.

LearnWorld — Full-Stack Software Engineer | Next.js, React, TypeScript, Gemini, IndexedDB

- Built a gamified CS learning platform with 32 topics, algorithm simulators, interactive visualizations, and AI tutoring.
- Added persistent progress, input validation, custom lesson generation, and automated Vitest and Playwright checks.

KnightLife — Full-Stack Software Engineer | React, FastAPI, PostgreSQL, Docker

- Built authentication, personalized feeds, club following, squad invitations, and event-sharing workflows.
- Integrated Gemini-based event extraction with validated output, source fallbacks, deduplication, and Docker services.

Technical Skills

Python, TypeScript, JavaScript, Java, C/C++, SQL, React, Next.js, FastAPI, Pydantic, PostgreSQL, Supabase REST APIs, Docker, GitHub Actions, Vercel, Render, Git, Vitest, Playwright, Tailwind CSS