

Luis Cerqueira

Software Engineer

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PROFESSIONAL EXPERIENCE

Lumaa, Inc. (Kaval)

San Francisco, CA

Co-founder & Chief Executive Officer (CEO) | Jun 2026 - Present

Co-founder & Chief Technology Officer (CTO) | 2024 - Jun 2026

Raised \$850K from Founders Inc, Neo, and Thales Partners.

- Built Kaval's crawler, versioned document store, and search index covering policies from seven national health insurers. Tracked 107K policy URLs with change detection.
- Sold and delivered policy extraction through REST APIs and webhooks to the first enterprise customer. Expanded a \$2K/month pilot into a \$120K contract.
- Built an answer system linking claims to bounding boxes in source PDFs. Added continuous integration checks for citation placement across 44 PDFs.
- Built an API that verifies agent-generated claims against live sources and returns signed receipts. Published TypeScript and Python SDKs and a Model Context Protocol (MCP) server.
- Built Temporal agents for Nivel, an earlier construction product, to compare 100+ bid PDFs. Reduced price error from 41.6% to 11.5% MAPE through evaluations; piloted with four general contractors.
- Led two engineers building government procurement scrapers, matching, and proposal drafting.

Microsoft

Seattle, WA

Software Engineer Intern

May 2023 - Aug 2023

- Built full-stack features for three government customer projects using TypeScript, React, C#/ASP.NET, and Azure Cosmos DB.

Tern

San Francisco, CA / Remote

Lead Software Engineer (previously an intern)

May 2022 - May 2023

- Built a Vue/Nuxt MVP in four weeks; the app reached 2,500+ users. Added automated tests and CI/CD.

Maoni

London, UK

Software Engineer Intern

May 2021 - Aug 2021

- Built an onboarding app with Next.js, NestJS, and AWS; reduced backend upload time by approximately 75%.

PROJECTS

Tinta, personal AI agents

Sep 2026

- Built WhatsApp personal agents on OpenClaw and Azure with persistent memory and browser automation in isolated Docker environments.
- Built custom plugins for app integrations, proactive alerts, shared planning between agents, and payment workflows with user approvals and card credentials outside model context.

GUI grounding for computer-use agents

Apr 2026

github.com/LufeMC/gui-g2-3b-ccf · huggingface.co/luisf-mc/gui-g2-3b-ccf

- Built and evaluated a training-free, two-pass zoom wrapper for GUI-G2-3B on 1,272 ScreenSpot-v2 samples. Served with vLLM on Azure A100 GPUs: 700-900 ms warm responses in fast mode.

TECHNICAL SKILLS

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

AI: LLM extraction, retrieval, grounded generation, evaluations, agent workflows, vLLM, PyTorch

Systems: React, Next.js, Node.js, Fastify, FastAPI, PostgreSQL, Temporal, Redis, Docker, Kubernetes, Azure, AWS

EDUCATION

Minerva University · Computer Science studies; left to co-found Lumaa

2021 - 2024