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EXPERIENCE

Lumaa, Inc. (dba Kaval; formerly Nivel)

San Francisco, CA

Co-founder & CEO, Jun 2026 – Present · Co-founder & CTO, 2024 – Jun 2026

2024 – Present

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

- **Kaval, payer-policy intelligence.** Built the crawler, versioned document store and search index for 7 national health insurers (Aetna, Cigna, UnitedHealthcare and 4 more): 107K policy URLs tracked, 7.7K document versions and 67K chunks indexed, with change detection on every source.
- Built cited answers that tie each claim to a bounding box in the source PDF: 590/590 citations matched the source across 24 live questions over all 7 payers. Box placement is checked in CI over 1,238 extraction runs on 44 PDFs.
- Sold and delivered the first enterprise customer: schema-driven policy extraction over REST APIs and webhooks. It grew from a \$2K/month pilot into a \$120K contract.
- Shipped a verification API that splits an agent's claim into atomic facts, re-checks each against live sources and returns ALLOW / REVIEW / BLOCK with an Ed25519-signed receipt. Published the TypeScript/Python SDKs and MCP server on npm and PyPI.
- **Nivel, AI bid leveling for construction.** Built Temporal-orchestrated agents that turn 100+ subcontractor bid PDFs into a sourced leveling sheet. Wrote an eval harness on real projects and used it to cut price error from 41.6% to 11.5% MAPE (2,495/2,501 cells matched). Piloted with 4 general contractors.
- **Lumaa, government-RFP matching.** Led 2 engineers building scrapers for SAM.gov, DIBBS and 9 state portals, embedding-based matching and proposal drafting.

Microsoft

Seattle, WA

Software Engineer Intern

May 2023 – Aug 2023

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

Tern

San Francisco, CA / Remote

Lead Software Engineer (joined as intern)

May 2022 – May 2023

- Built the product from the ground up: shipped the MVP in 4 weeks and grew the app (Vue/Nuxt, TypeScript, Firebase) to 2,500+ users, which helped the company raise \$60K. Set up CI/CD with automated tests, making deploys about 3x faster.

Maoni

London, UK

Software Engineer Intern

May 2021 – Aug 2021

- Built the client onboarding app from the ground up (Next.js, NestJS, AWS) and cut back-end upload time by about 75%.

PROJECTS

GUI grounding for computer-use agents

Apr 2026

- Added a training-free, two-pass zoom to a 3B vision-language UI-grounding model: +3.9 points on web and +2.2 on icons on ScreenSpot-v2 (1,272 samples). Ran SFT and GRPO experiments and served it with vLLM on Azure GPUs in under 1 s. Code and weights are public.

Tinta, voice personal agent

Sep 2026

- Swift macOS and WhatsApp assistant with an Azure memory backend. The on-device wake word caught 32/32 test phrases with 0/256 false triggers on under 1% of a CPU core. Chose models with a 16-scenario × 5-run eval.

SKILLS

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

AI: LLM extraction and evals, retrieval/search, grounded generation, agent workflows, MCP, vLLM, PyTorch

Systems: React/Next.js, Node (Fastify), FastAPI, Postgres, Temporal, Redis, Docker, Kubernetes, Azure, AWS

EDUCATION

Minerva University, Computer Science. Left in 2024 to co-found Lumaa.

2021 – 2024