

Yuri Y. Vieira Sugano

R. Jaracatiá 305, São Paulo, Brazil · (11) 99647-6219 · yuri@artelonga.com.br



I take partner integrations from first call to live and measured — the technical setup, the API that runs it, the numbers that prove it works. Founder of a five-partner network on shared infrastructure; neuroscientist by training. Portuguese (native), English (fluent), Spanish (conversational).

Experience

- Founder** — [ArteLonga](#) 2024–present
Partners from first conversation to live and measured: I scope the technical setup, build the integration, ensure both sides' commitments ship, and document every change — across whatever channel the partner prefers, from WhatsApp to in-person. Five partners on one platform; Retro Umarizal live in minutes, its own domain within 24 hours, each onboarding cheaper than the last.
- Quant** — [PointSet Technologies](#) 2024–2026
Quantitative systems and intelligence for financial markets.
- Senior Data Scientist** — [Propz](#) 2023–2024
Retail intelligence and business analytics.
- Research Technician** — [University of Chicago](#), [Neurobiology](#) 2018–2023
Neuroscience data acquisition, processing and analysis in the Mason Lab — HIPAA-grade human-subjects data, instrumentation that led to a patent; teaching and science communication.
- Earlier:* Statistics Tutor, U. of Chicago (2019–2020); Lab Manager, U. of Chicago (2015–2017); Research Assistant, Instituto Butantan — FAPESP scholar (2012–2013).

Education

B.A. Neuroscience, University of Chicago, 2018–2022 — GPA 3.7/4.0.

Skills

Languages: Rust, JavaScript/TypeScript, Python, R, Scala, SQL.

Backend & APIs: Axum, Tokio, Node; REST, WebSocket, OpenAPI/Swagger; JWT & API-key auth; SQLite/LiteFS, multi-tenant.

Web & Infra: SvelteKit; Docker, Terraform, Git, JIRA, Jenkins, Azure, Unix/shell; AWS (S3, EC2, EMR, Fargate, QuickSight), GCP.

Data & ML: Apache Spark, Delta Lake, BigQuery, scikit-learn, TensorFlow, spaCy, UMAP, DBSCAN, OpenCV; LLM orchestration & agent tooling (Claude, GPT, local models).

Analysis: statistics, experiment design, A/B testing, NLP, data visualization, dashboards.

Technical Portfolio

Each system is built with a partner on shared infrastructure; partners own their data — privacy and security by default.

SYSTEMS · WITH PARTNERS

artelonga · **Retro Umarizal**, **Quilombo Araucária** — **co:** each partner's site, board and wiki in one place, stored as plain text files the partner owns and can take anywhere; real-time sync, one isolated database per partner; partners launch as subdomains and graduate to their own domains

rfq · Hedix (prediction-market exchange) — market-making intelligence as an API: low-latency single-call firm quotes, idempotent by client order id, API-key auth, OpenAPI/Swagger

Neuro Notebook Brasil · Peggy Mason, U. of Chicago — collaborative neuroscience bibliography: feedback and registration API over SQLite; author network, timeline and gallery rendered client-side

DATA

SensorySpeech · U. of Chicago (Neurobiology × Linguistics) — landmark, 2023: taught Python→NLP (tokenization to word embeddings and transformers) while applying it to research on sensory references in natural speech, in the early days of LLM adoption

telemetry · ArteLonga — first-party analytics across the network: ~690 monthly visitors, ~1,800 events, 9 countries; embedded geo, retention and conversions, no third parties

ProprioSuite — proprioceptive testing toolkit (computer vision + ML)

Bystander Effect in Rats — statistical analysis of social behavior

Selected Publications & Patent

- Vieira Sugano, Y. Y., et al. (2022). [Helping Can Be Motivated by Non-Affective Cues in Rats](#). *bioRxiv*.
- Havlik, J. L., Vieira Sugano, Y. Y., et al. (2020). [The Bystander Effect in Rats](#). *Science Advances*.
- Madelaire, C. B., Vieira Sugano, Y. Y., et al. (2020). [Challenges of Dehydration in Invasive Toads](#). *Behavioral Ecology and Sociobiology*.
- Patent:** [Theseometer for Measuring Proprioception Performance](#) — US 11,589,798 B2, University of Chicago.

My bibliography in neuro: neuro.artelonga.com.br/bibliografia?author=yuri.