Maurizio Scibilia

AI Engineer | Retrieval, Evaluation & AI Orchestration

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SUMMARY

AI Engineer focused on retrieval, evidence grounding, AI evaluation, and orchestration. I design and build systems whose behaviour can be inspected, benchmarked, and improved through failure analysis. My recent work spans ParancU, a local-first evidence retrieval system available on the Apple App Store, and ParancU Agent Lab, which integrates retrieval into a grounded AI workflow.

SELECTED AI WORK

ParancU v1.1 | Local-first Evidence Retrieval | iOS | Available on the App Store

- Took the project through research framing, architecture, implementation, benchmark design, failure analysis, mobile integration, and App Store release.
- Built it as an inspectable AI system with documented architecture, evaluation results, and a white paper describing both results and limitations.
- Tech: Python, TypeScript, React Native, ONNX Runtime, multilingual E5 embeddings, local retrieval, iOS deployment.

ParancU Agent Lab | Grounded AI Workflow | GitHub | Try it!

- Extended ParancU into a grounded AI workflow that retrieves and fuses evidence across multiple chunks, generates evidence-constrained answers, verifies completeness, and retrieves again when information is missing.
- Built and deployed a browser-first web application with local prepared-corpus retrieval, evidence inspection, optional server-assisted generation/verification, and deterministic tests.

PROFESSIONAL BACKGROUND

- 2024-26 – Spindox – Software Engineer / Data Scientist – Web Reengineering Team Lead, General Gaussian-based sales size forecasting, Accessibility dashboard development
- 2022-24 – Deep Consulting - Software Engineer / Data Scientist – TIM Telecom Metrics Platform Development, End-to-end ownership of GCP architecture design chatbot
- Long-standing experience across software engineering, consulting, web, data science, and AI, including work with Siemens, framfab, A.T Kearney

EDUCATION, CERTIFICATIONS & LANGUAGES

MSc in Computer Science, University of Pisa – **A** (highest honours)
18-month research thesis on LRAM graph neural networks, including original theorems on asymptotic and exponential stability.
Master in ICT, Cefriel / Politecnico di Milano – **A** – Scholarship recipient.
MBA, LUISS Guido Carli – **A** – Scholarship recipient, international exchange at Paris Dauphine University.
TensorFlow Developer Certificate (2021-2024)
Google Cloud Professional Machine Learning Engineer (2023-2025)
Languages: Italian native, English fluent