YINAN YANG

Creator · Weapons-Grade Data Science · Applied AI & Intelligence Systems

SUMMARY

Architect and creator of high-leverage AI systems: RAG pipelines, reinforcement-learning engines, behavior intelligence models, and end-to-end data infrastructure. I transform chaos into clarity, turn weak signals into actionable intelligence, and build production-grade AI systems that drive revenue, reduce risk, and expose truth in complex environments.

CORE COMPETENCIES

- LLMs, RAG, Vector Search, Embeddings, Prompt Engineering
- Reinforcement Learning (PPO, Bandits), Decision Systems
- Behavioral Modeling, Anomaly Detection, Security Intelligence
- Geospatial Modeling, Generative AI, Agentic Workflows
- Data Engineering: AWS, Docker, GitHub Actions, Pipelines, APIs
- Executive Storytelling, System Architecture, Cross-Functional Leadership

FLAGSHIP PROJECTS

RAG Intelligence Pipeline — End-to-end retrieval system using hybrid search, embeddings, prompt routing, and evaluation harness.

Reinforcement Learning Pricing Engine (PPO) — Multi-agent RL environment modeling consumer behavior, pricing optimization, and offline logs.

Human Behavior Intelligence Modeling — Converts weak signals into clusters for anomaly detection, pattern deviation, and adversarial behavior prediction.

FDE Intelligence Pipeline — Full-stack ingestion, transformation, serving, and monitoring system.

Generative AI Agent Systems — Multi-agent workflows integrating LLMs, tools, and retrieval.

TARGET ROLES

Senior / Staff / Principal Data Scientist · Applied AI/ML Engineer · Intelligence Architect · VP of Data Science

INDUSTRY DOMAINS

Security, Risk, Finance, Real Estate Intelligence, Pricing Systems, Behavioral Economics, Marketplace Strategy, Geo Intelligence

CONTACT

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