

Gary Zavaleta

www.gyza.org | gary@gyza.org | Dubai, UAE

Analytics & Applied Data Science

Education

- Master of Applied Data Science, University of Michigan (2024)
- Post Degree Diploma in Finance and Investments, University Adolfo Ibanez, Chile (2008)
- Bachelor of Computer Science (Honors), University of Lima (1997–2002)

Work Experience (Last 2)

Senior Director of Analytics & Data Science, Global Hotel Alliance, Dubai, UAE Aug 2018–Present

Leads ML and GenAI solutions (personalization, clustering, forecasting, chatbots) and modernizes Analytics & AI platforms, reducing costs by 50–90%; empowers 5,500+ users across 40+ luxury hotel brands with self-service BI/AI tools and champions organizational data literacy while leading cross-regional data & AI teams.

Senior Business Intelligence Analyst, Emirates Airline, Dubai, UAE Mar 2016–Aug 2018

Built revenue and passenger forecasting models (ARIMA, LSTM, LightGBM) and enabled self-service Analytics adoption by managing proof-of-concept projects from design to production.

Leadership & Service

Advisory Board Member at **M2Bio Sciences** for Analytics and Blockchain (since 2025); Volunteer Data Scientist at **DataKind.org** (since 2023).

Skills & Activities

Skills

Data Science & Analytics: Databricks, Langchain, RAG, LLM Analytics, xAI, AzureML and Fabric, Vertex AI, ETL.

Analytics: Data modeling, data warehousing, ETL, Real-time Analytics

Tools: MicroStrategy, Power BI, Teradata BI Optimizer, Grafana, Airflow, Informatica PwC, DataStage; Oracle, BigQuery, ClickHouse, PostgreSQL, Teradata

Languages: Python, PowerShell, JavaScript, VBA, .NET.

Awards & Other Activities

Awards: Middle East Analytics & AI Wall of Fame 2025

Publications:

- “BigQuery Chat with Ethereum”, GitHub (self-published, Sep 2025)
- “Chat to your Database GenAI Chatbot” preprint (UMICH, Dec 2024).

Certifications: Python 3 Programming Specialization; Certified ScrumMaster; MicroStrategy Certified Engineer; Teradata (Logical & Physical Data Modeling, Columnar Tables & TASM); CMMI; Project Planning & Business Requirements Gathering.

Blockchain: Ethereum aficionado, smart contracts & web3

Quantum: Researching optimizations algorithms for neural networks