

Education

Universidad Politécnica Superior de Alcalá de Henares

Computer Engineering

Madrid, Spain

2024

Final Degree Project: QuantAI [Implementation of an AI model based on neural networks and natural language processing to predict trends in stocks and index funds, integrating historical financial data and sentiment analysis from social media and news sources.]

Tajamar

Scientific High School Diploma

Madrid, Spain

2019

Experience

International Business Machines (IBM)

Data & AI Software Developer

Madrid, Spain (Hybrid) January

2023 – Present

- Engineered AI-powered automation and predictive analytics systems for the Spanish Air Forces, enabling data-driven decision-making for mission-critical military operations.
- Architected and optimized high-throughput data pipelines for RTVE and Iberdrola, supporting large-scale AI/ML workflows and ensuring reliable ingestion for downstream analytics.
- Diagnosed and fine-tuned conversational AI performance for Orange, improving NLP model accuracy, intent recognition, and overall user experience at enterprise scale.
- Trained and deployed machine learning models for Mapfre, leveraging Watsonx.ai to optimize predictive capabilities and automate core insurance data processing workflows.

International Business Machines (IBM)

Intern

Madrid, Spain (On-site) July 2022

– January 2023

- Architected and executed database migration strategies, ensuring full data integrity and zero-downtime transitions across production environments.
- Gained hands-on expertise in high-speed data transfer infrastructure using IBM Aspera, supporting enterprise-scale AI data pipelines.
- Developed proficiency in Watsonx.ai, building and deploying AI models within IBM's enterprise AI platform for real-world client use cases.
- Built a Google Chrome extension for GISS, automating key workflows and significantly improving operational efficiency.

Leadership & Activities

Universidad Politécnica Superior de Alcalá de Henares

University Math Tutoring Program

Madrid, Spain

January 2023 – June 2023

- Provided academic support to first-year students in mathematics.

Universidad Politécnica Superior de Alcalá de Henares

Cybersecurity Training Program

Madrid, Spain

January 2022 – June 2022

- Gained expertise in network security, ethical hacking, and risk assessment.

Skills & Interests

- Technical:** Python, Java, JavaScript/TypeScript, Vue.js, NestJS, Spring Boot, SQL, Oracle DB, Liquibase, Hibernate, TensorFlow, Watsonx.ai, Watsonx Assistant, LangChain, LLM, RAG, NLP, LSTM, IBM Cloud Pak for Data (CP4D), OpenShift, IBM Aspera, Azure, AWS.
- Language:** Spanish (Native), English (C2 – Proficiency)
- Interests:** Finance, AI, Sports.