

Miguel González Hernández

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/Miguel Gonzalez

Previous Work Experience

2024

GENERATIVE AI EXPERT, ACCENTURE

- AI expert for banking clients, specializing in Azure-based technologies and implementing IaC solutions using Terraform to optimize Azure resources.
- Developed and managed Azure Functions to automate processes, providing serverless solutions and operational flexibility.
- Trained custom AI models, including the use of Large Language Models (LLMs) for conversational agents.
- Utilized Document Intelligence and Azure OpenAI for document automation and AI-driven insights.
- Led the implementation of LLM-based agents for conversational AI solutions.
- Led technical documentation for AI and cloud solutions across projects.

2023 - 2024

TEAM LEADER OF RESEARCH DEPARTMENT, DUBME.IO

- Developed AI models for TTS technology using diffusion models and pioneered state-of-the-art audio generation for movie dubbing, reducing production costs and time.
- Played a key role in securing funding through grant proposals and ensured compliance with funding bodies by leading project report submissions.
- Spearheaded AI research for multimedia applications and used Jira, Confluence, and Git for team coordination, development, and project documentation.

2022 - 2023

CONSULTANT, SORTIS TELECOMUNICACIONES, ST ENGINEERING PROJECT

- Optimized decision-making through data analysis using Salesforce, Python, and SQL, while introducing ML algorithms to improve incident management and system reliability.
- Managed databases on Newtec Dialog, optimizing SQL for data handling and reporting, and led satellite network operations for global clients.
- Led international on-site installations and integrated data via RESTful APIs.

2021 - 2022

ARTIFICIAL INTELLIGENCE RESEARCHER, AMAZON (VIA ALEXA PRIZE CONTEST WITH UPM)

- Participated in the Amazon Alexa Prize contest, developing AI models to mimic voices using transformers and GANs for my master's thesis research.

Education

2020-2023

MASTER IN TELECOMMUNICATION ENGINEERING

Universidad Politecnica de Madrid (UPM)

Specialty: Machine learning and multimedia data science

Master Thesis developed for an Amazon project and obtained honors for it

2021-2022

MASTER IN COMPUTER SCIENCE (ERASMUS +)

Politecnico di Milano

2014-2020

DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING

Universidad Politecnica de Madrid (UPM)

2020

PYTHON PROFESSIONAL CERTIFICATION

Asociación española de programadores informáticos(AEPI)

Languages

- English C1: Cambridge English: Advanced (CAE) 2017, Aptis Exam 194/200 (C1) 2020.
- Previous work experience conducted entirely in English with clients from multiple nationalities.

Technical Skills

- **Programming Languages:** Python (Data Science: Pandas, Scikit-learn; AI: CNNs, Transformers, LSTMs).
- **Cloud Platforms:** Azure (Azure Functions, Azure OpenAI, Terraform for IaC), Google Cloud Platform.
- **Databases:** SQLite, MySQL, TSDB.
- **Business Intelligence:** PowerBI, Power Automate, Salesforce.

- **Containerization and Orchestration:** Docker
- **Operating Systems:** Linux platforms (Ubuntu, Debian, CentOS).

Certifications

- Microsoft Certified: Azure Fundamentals (in progress).
- Microsoft Certified: AI Fundamentals (in progress).

I strongly recommend looking at my personal projects website: [!\[\]\(99f58673407353e96a019fbca558fd72_img.jpg\)](#).