Juan Quintana
Data Scientist & Meteorological Tech.

Enthusiastic Data Scientist and Meteorological Technician with long experience eager to contribute to team success through hard work, attention to detail and excellent organizational skills.

Contact

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Skills

Python – *expert*
Data tools– *expert*
R – *advanced*
Matlab – *intermediate*
Git / Version control – *senior*
SQL – *senior*

Energy, Renewables, O&M
Wind Resource Assessment
Power Curve. WTG technologies.
Meteorology, Weather Prediction
NWP models, Re-Analysis
WRF, CFD (WAsP, WindSim, Phoenics)
NetCDF, GRIB1,2
Data Analysis / Processing
Forecasting, TimeSeries
Geodata, GIS
R&D
IEA Wind Tasks. Standars
Cloud Services (Google, Amazon, Microsoft)
Agile methodology

Education

Data Science Math Skills
Coursera / 2020 / Duke Univ.
Machine Learning / *Coursera*
2017 / Stanford Univ., Andrew Ng
College course: Satellite Remote Sensing
2009 - 2010 / 800 hour / UNED
Aeronautic meteorological observer course
2009 / 120 hours / AEMet, Madrid
Atmospheric modeling training
2007 - 2009 **/** *AEMet, Madrid*
Programming course: C, C++, VC
2005 / 309 hours / CEI & Lang
Degree in Physics
1999 - 2004 / UAM, Madrid

Languages

Spanish – *matter language*
English – *upper-intermediate*
Japanese – *beginner*

Work History

Tesella (Capgemini) / *Senior Data Scientist*
May 2021 – Current / Madrid, Spain
- Technical leader in Telco project about marketing engagement.

Infinia Mobile / *Data Scientist*
Mar, 2019 – May, 2021 / Madrid, Spain
- Data Science & Big Data techniques applied to Digital Marketing.

Japan Meteorological Corporation / Chief Engineer
Apr, 2015 - Feb, 2019 / Osaka, Japan
- Machine Learning Applications for Renewable Energy Forecasting: Energy Consumption, Weather Conditions and Wind / Solar production forecasting.
- Wind assessment: measurement campaigns (Lidar, MetMast), CFD, regional NWP data and own software production.
- Research and application: IEA Wind Tasks / IEC Standards, state-of-art technologies for wind assessment (Onshore/Offshore).
- Environmental Data Management, Analysis, and Reporting: wind power, turbulences, WTG wakes, air pollution, and others related with wind flow.

Ereda *(renewable energy solutions)* / *Modeling specialist*
Oct, 2012 - Apr, 2015 / Madrid, Spain
- Oversaw day-to-day activities of 1 employee, technical and functional analysis of Environmental software projects. Weather Research and Forecasting Model.
- Data mining solutions to increase the performance of estimated wind resource. General meteorological data management.
- Wind resource assessment: CFD, regional NWP simulations.

Foundation for Research of Climate Change (FIC) and Meteogrid / Modeling specialist and Meteorologist
May, 2010 - Sept, 2012 / Madrid, Spain
- R&D of a statistical downscaling technique for climate forecast.
- Meteorological support and reporting. Developer.
- Subjective prediction of weather situation to prepare a weekly report.

AEMet / *Government employee*
Aeronautic meteorological observer
Jan, 2010 - May, 2010 / Málaga, Spain

AEMet (*Modeling Dept.*) / Graduate Fellowship
Oct, 2007 - Dec, 2009 / Madrid, Spain
- European project ENSEMBLES (ECMWF): "Application of dynamic techniques of downscaling for seasonal forecast".
- R&D: "Statistical technique of downscaling for seasonal forecast".

Awards

GEFCom2017: Global Energy Forecasting Competition
IEEE Working Group on Energy Forecasting
Final match winner
Hierarchical Probabilistic Load forecasting for competition (paper)

July, 2021