ERIC GONZÁLEZ CABALLERO

Operational Intelligence at Endesa | Data & Analytics | Engineer

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SUMMARY

Engineer with industrial/digital sector experience and excellent problem solving, analytical and programming skills passionate about software development and data & analytics technologies. Eager to be part of the digital transformation that is shaping the future. Currently working on the energy sector by interning at Endesa and finishing my field-related Masters Thesis.

Interested and open to job offers in areas related to big data, data science, machine learning, industry 4.0 or internet of things.

EXPERIENCE

Operational Intelligence (Internship)
Endesa

📅 Feb 2021 - Ongoing   ⚲ Madrid, Spain

- Software development for processing data coming from solar & wind renewable energy production facilities.

EDUCATION

Master's in Big Data Analytics (English)
Universidad Carlos III de Madrid - UC3M

📅 2020 - 2021   ⚲ Madrid, Spain

- **Thesis**: Development of classification tools, based on statistics and artificial intelligence (ML/DL), to forecast (in the short term) the sign of the system imbalance in the Spanish Electricity Market. (Ongoing)

Bachelor's in Aerospace Engineering (English) - 8.0/10
Universidad Politécnica de Valencia - UPV

📅 2016 - 2020   ⚲ Valencia, Spain

- **Thesis**: Optimized a state-of-the-art DNS computational fluid dynamics code by means of HPC techniques. Final code run with 2000 CPUs in the SuperMUC-NG supercomputer involving monetary savings of ≈ 10000 €.

PROJECTS

- **Personal Webpage** - Including design, domain configuration, maintenance, google analytics... Still working on it.
- **Data & Analytics** - Check out my github.

COURSES/CERTIFICATIONS

- **Data Engineering with GCP** (80h) - Coursera, 6 courses
- **Machine Learning with TF on GCP** (50h) - Coursera, 5 courses

SKILLS

Data Science & AI

- Python: NumPy, Pandas, Matplotlib...
- Machine Learning: Algorithms, Scikit-learn
- Deep Learning: NN architectures, PyTorch

Data Engineering & Big Data

- Spark/PySpark, Hadoop
- Scala: MapReduce, Functional Programming
- SQL, NoSQL: MongoDB, Cassandra
- Cloud Computing: Google Cloud Platform
- Web: Google Analytics

Data Analysis

- R, Matlab, Wolfram's Mathematica

HPC

- Fortran: BLAS, Lapack, MKL
- Parallel Programming: MPI, OpenMP
- Linux

General

- Mathematics, Computer Science, Physics, Statistics, Optimization...
- Git, LaTeX, R Markdown
- Microsoft Office: Word, Excel, PowerPoint

LANGUAGES

- **Spanish** - Native
- **Catalan** - Native
- **English** - Cambridge Advanced English C1