ALBA MORQUECHO-DELGADO

RESEARCH SCIENTIST (DATA/ML FOCUSED)

With a strong quantitative background in Physics and Biomathematics, I specialize in Machine Learning and data analysis techniques. I excel at analyzing complex data, extracting valuable insights, and translating them into actionable knowledge that drives informed decisions. My multidisciplinary experience fosters strong adaptability, enabling me to thrive in dynamic environments and communicate complex concepts clearly to stakeholders

YOU WILL FIND ME:

kaggle https://www.kaggle.com/albamorquechodelgado

🎓 https://ugr.academia.edu/AlbaMorquechoDelgado

◈ https://github.com/AMorQ

in https://www.linkedin.com/in/alba-morquecho-delgado/

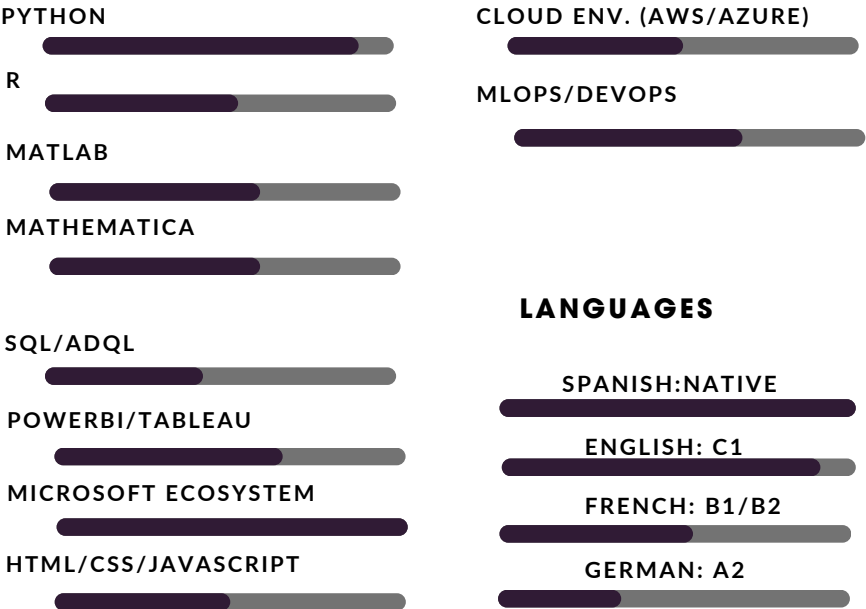☎ (+34) 605 646 163 ✉ albamorq@gmail.com

INTERPERSONAL SKILLS:

- **Collaboration and Communication**: Foster effective teams and communicate ideas clearly to achieve goals,.
- **Agile and Analytical Problem Solving**: Approach problems with method, adaptability, and multidisciplinary creativity, learning continuously.
- **Results and Growth Oriented**: Focused on objectives and continuous improvement to drive project success.

EDUCATION

- **MSC DEGREE IN SCIENTIFIC INFORMATION AND COMMUNICATION**
(September- February 2023, 1st semester [UGR, University of Granada]

- *MSC DEGREE IN LOGIC AND PHILOSOPHY OF SCIENCE*
(September 2023-) [UGR, University of Granada]

- *MSC DEGREE IN BIOMATHEMATICS (FISYMAT- PHYSICS AND MATHEMATICS)*
(-2021) [UGR]

- *BSC DEGREE IN PHYSICS (FUNDAMENTAL)*
(-2019) [UCM, University Complutense of Madrid]

TECHNICAL SKILLS

PYTHON

R

MATLAB

MATHEMATICA

SQL/ADQL

POWERBI/TABLEAU

MICROSOFT ECOSYSTEM

HTML/CSS/JAVASCRIPT

CLOUD ENV. (AWS/AZURE)

MLOPS/DEVOPS

LANGUAGES

SPANISH: NATIVE

ENGLISH: C1

FRENCH: B1/B2

GERMAN: A2

WORKING EXPERIENCE

DATA SCIENTIST
@ STEM EDUCATION AND OUTREACH UNIT FOR INSTITUTIONAL DATA-DRIVEN DIGITAL TRANSFORMATION

(2024, 6 months) [European Space Agency, ESA]

DataScience & Analytics | ETL, Data Vizualization | Data storytelling | LLMs | Statistics | Contextual Research & Analysis | LMS Configuration

Microsoft Ecosystem |

DevOps |

Python (incl. Pandas, ScikitLearn, Numpy...)

Stakeholder Analysis

MACHINE LEARNING ENGINEER
DEVELOPMENT AND DEPLOYMENT OF MACHINE LEARNING AND COMPUTER VISION (ML/CV) MODELS, WITH DATABASE SUPPORT, FOR CAD (COMPUTER-AIDED DIAGNOSIS) SYSTEMS.

(2022, 1 year, 7 months) [VIP Research Group, University of Granada]

Machine Learning (Probabilistic Deep Learning) | Computer Vision (biomedical images, advanced paradigms) | MLOps and Deployment

Data Curation | Data Management & SQL | Statistical & Quantitative Analysis |

Ethics in AI |

Production Testing |

Python (incl. Tensorflow, PyTorch, OpenCV, Scipy, PyTest...) |

Linux OS

EDUCATIONAL
INSTRUCTIONAL DESIGNER @ ESTUDIAENESPAÑA S.L.
(2022, 12 months)

Curriculum Developer | L&D Specialist

DATA ANALYST AND FACILILTY MANAGEMENT
QUANTITATIVE ANALYSIS AND DATA PROCESSING (BIBLIOMETRICS), APPLIED TO FACILITY AND PROJECT MANAGEMENT.
(2020, 3 months) [IEMAG-IEMATH, Mathematics Institute of Granada]

Wordpress | HTML & CSS

DATA STORAGE SOLUTIONS
(2018, 6 months) [SPIN DATOS S.L.]

Commvault |

User Satisfaction & Human Feedback

PUBLICATIONS

COAUTHOR OF THE PAPER 'THE CROWDGLEASON DATASET: LEARNING THE GLEASON GRADE FROM CROWDS AND EXPERTS' **[The CrowdGleason Dataset]**

SCHOLARSHIPS AND PRIZES

SELECTED FOR A PTA (SPANISH PUBLIC-FUNDED SCHOLARSHIP "PERSONAL FOR TECHNICAL SUPPORT") **POSITION IN IEMATH** (MATHEMATICS INSTITUTE OF GRANADA) (2021)

FIRST PLACE AT THE REGIONAL PHYSICS OLYMPICS (ULL- UNIVERSIDAD DE LA LAGUNA, 2011)

CONGRESSES

ORGANIZING COMMITEE OF '2ND CLARIFY TRAINING SCHOOL' (UGR- UNIVERSITY OF GRANADA, 2022) (CLARIFY PROJECT, FUNDED BY EU)

PUBLIC ENGAGEMENT

PARTICIPATION IN **SCIENCE OUTREACH PROJECT COMBINING TECHNOLOGY AND ARTS**: 'RESILIENCIA VS SUPERVIVENCIA' IN COLLABORATION WITH RESEARCH GROUPS (FUNDACIÓN ÉPICA- LA FURA DELS BAUS, BARCELONA, 2022)

CONTINUOUS TRAINING

- **TENSORFLOW DEVELOPER PROFESSIONAL CERTIFICATE** (DEEPLEARNING.AI, CURRENTLY)
- **DATA ANALYST TRACK** (GOOGLE CERTIFICATES, CURRENTLY)
- **MLOPS AND TESTING** (DATACAMP, 2025)
- **XAI MODELS IN PYTHON** (DATACAMP, 2025)

- **SPECIALIZATION IN AI FOR HEALTHCARE** (STANDFORD UNVIERSITY, 2024)
- **COURSE ON COMPUTATIONAL NEUROSCIENCE** (UNIVERSITY OF WASHINGTON, 2024)
- **SPECIALIZATION 'AI 4 GOOD'** (DEEPLEARNING.AI, 2023)

- **COURSE ON PROJECT MANAGEMENT** (KAYA, 2021)
- **COURSE ON THE EVALUATION OF INTERNATIONAL PROJECTS (**CICODE UGR, 2020)

MY PREVIOUS EMPLOYERS RECOMMEND ME

CLARA CRUZ-NIGGEBRUGGE,CLARA.CRUZ.NIGGEBRUGGE@ESA.INT
Coordinator of the STEM Learning and Education Unit at ESA Education, European Space Agency

RAFAEL MOLINA, RMS@UGR.ES
Full Professor of Computational and Artificial Intelligence Sciences (DECSAI), University of Granada