Miguel Carpintero

PhD on Electrical Eng. | D&A Manager

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PROFILE

An adaptable and enthusiastic engineer trained in data science and project management. Holds an MSc in Industrial Engineering and a PhD in Electrical Engineering at University Carlos III of Madrid. Managed different client-faced projects delivering custom technical solutions on diverse fields. Collaborated with cross-functional teams across Spain, Denmark, the USA, the UK and Australia.

WORK EXPERIENCE

Manager / Mar 2022 - Present

PwC - PricewaterhouseCoopers - Madrid, SPAIN

- Working towards client success on digital transformation, product development and advanced analytics. Developing and maintaining client relationships as a project manager to delivering value through innovative data strategies.
- Leading and mentoring multidisciplinary teams ensuring seamless execution of complex projects, while my understanding of the energy industry enables me to tailor solutions that address specific sector challenges.

Python SQL Cloud Integration Consulting

Data Integration Eng. / Dec 2021 - Feb 2022

EOLOS Floating Lidar Solutions - Barcelona, SPAIN

- Optimised an end to end data processing. Analysed, managed and automated scripts to clean and filter raw data. Assessed a cloud migration. Developed data management and programming skills.

MATLAB MS Office BOX MS Teams

Researcher and Lecturer / Feb 2017 - Jan 2021

University Carlos III of Madrid (UC3M) - Madrid, SPAIN - Glasgow, UK

- Developed novel machine learning models using MATLAB and Python to filter, transform and interpret raw data. Algorithms proposed have improved state of the art models up to a 100%. Demonstrated technical, programming, and analytical skills.
- Collaborated with international colleagues in 8 data science projects with different work streams and companies such as Iberdrola. Implemented Agile project management methodologies to optimise time and resources in the team. Enhanced leadership, teamwork, and problem-solving skills; analysed business impact and proposed real and tailored solutions for the industry with a data driven approach.

MATLAB Python G. Workspace Agile

EDUCATION

PhD on Electrical Engineering / 2017 - 2021

University Carlos III of Madrid (UC3M) - Madrid, SPAIN

MSc on Industrial Engineering / 2015 - 2017

University Carlos III of Madrid (UC3M) - Madrid, SPAIN

CERTIFICATES

SCRUM Master

SCRUM Manager - Madrid, SPAIN / Jan 2023

Machine Learning & Artificial Intelligence

Massachusetts Inst. of Tech. (MIT) - Boston, USA / 2019 - 2020

AGILE Project Management Practitioner

University of Westminster - London, UK / Nov 2016

CURRENT SIDE PROJECT

- **Volunteer** – Red Cross, Cantabria (Spain), 2021. – Participating in several projects related to climate change and sustainability.

AWARDS

- Care Award (Consulting), PricewaterhouseCoopers (2023)
- Outstanding Thesis Award, University Carlos III of Madrid (2021)

SKILLS

Languages: Spanish (Native), English (Advanced C1)
Python tools: NumPy, Pandas, TensorFlow, Scikit-learn
Project management: Agile, SCRUM, PRINCE2, Kanban
Soft: Problem Solving, System-Thinking, Training & mentoring