

Curriculum Vitae

Name: A. Fernández Rodríguez MSc.
 First Name: Amelia
 Date of Birth: 19 June 1997
 Nationality: Spanish
 Main Disciplines: Data processing, machine learning, programming
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Key Qualifications

Amelia Fernández MSc. holds a BSc. In Telecommunications Systems Engineering and a MSc. In Telecommunications Engineering from Polytechnical University of Cartagena, Spain. Taking advantage of the wide range of possible applications of Telecommunications, that are becoming essential in many fields, she had been focused during her study on trying to apply all the knowledge acquired at university for solving real problems and challenges related with ecological problems, nature or the use of renewable energy sources. She is an ambitious young person really looking forward to new projects and challenges implying in some way to contribute to a “greener” world. The technical background regarding programming and data analysis in combination with her curiosity and a willingness to learn more about climate science makes her a different profile with different points of view which can add value.

Educational Background

2019 – 2021 MSc. Master of Engineering, Telecommunications Engineering, Polytechnical University of Cartagena.
 Exchange semester as Erasmus student at Ghent, Belgium.
 Thesis: design of energy efficient wireless access networks using Java algorithms.
 2015 – 2019 Bachelor of Science in Telecommunications Engineering, Polytechnical University of Cartagena.
 Thesis: Use of Deep Learning Techniques to detect trees from satellite images.

Professional Experience

2021 – present Intern, FutureWater, Cartagena, Spain
 2019 Collaborator – Polytechnical University of Cartagena

Overseas Experience

2020 Exchange semester as Erasmus student at Ghent, Belgium.

Selection of Assignments and Projects

2021 – present TWIGA: development of a framework capable of providing meteorological indexes at Inkomati Basin (Mozambique) in order to prevent the worst effects of drought.

Language Skills

Spanish: Mother tongue
English: Fluent in writing and speech

Computer Skills

Python
Matlab
Java
Machine Learning
Version control – Github
Management tools (JIRA, Confluence)
R for statistics