



Berta Fernández de la Morena

Junior Artificial Intelligence Engineer · Acciona DIGITAL HUB

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LANGUAGES

Spanish: Native

English: Advanced (C1-C2)

French: Medium (B2)

SKILLS

PROGRAMMING LANGUAGE

Python, Matlab, C, C++, Java, HTML, SQL

FRAMEWORKS

OpenCV, Numpy, Keras, PyTorch, Scikit, Tensorflow, Pandas

SOFT-SKILLS

Teamwork, Self-Organised Working, Teaching, Organisation

OTHER OS/SW/TOOLS

Linux, Windows, LaTeX, Command Line, Git, Microsoft Azure

VOLUNTEER SERVICE

Avance Association
2021-2022

Lo que de Verdad Importa
Foundation
2015

Mary Ward Foundation
2014

AWARDS

Academic transcript award in IPCV
M.Sc
Academic transcript award in TE B.Sc
2019 by fulfilling the requirements
established by the Community of
Madrid

PROFESSIONAL PROFILE

Being self-improvement and continuous growth one of my pillars, I am consistently pursuing this challenge both personally and professionally.

Thanks to my proactivity and my self-learning capacity, I am constantly developing my technical and analytical skills as well as my adaptability to changes, having built a versatile profile capable of working with different technologies.

Results oriented but enjoying the process.

EXPERIENCE

July 2021 - Present

JUNIOR AI ENGINEER

ACCIONA DIGITAL HUB - ROBOTICS, DATA & AI SKILL CENTER · Madrid, Spain

- Management and project development
- Experience in applying action-oriented technological solutions to complex business problems:
 - Develop algorithms to track and detect anomalies in multiple sensor data
 - Design and develop CV solutions (object detection, semantic segmentation) to increase safety and automate processes
 - Build predictive models to support decision-making regarding marketing campaigns in the motosharing business
 - Conduct an strategy for motosharing business by capturing the characteristics of users and clustering them
- Contribution of new ideas to support business improvements
- Adaptation of algorithms to new use cases/Proof-of-Concept

March 2021 - July 2021

RESEARCH INTERNSHIP

SIGMA TECHNOLOGIES GLOBAL · Madrid, Spain

- Applied research on Real-Time Multi-Target Tracking - Computer Vision.
- Master Thesis elaboration as part of the IPCV Erasmus Mundus program.

Oct 2019 - June 2020

RESEARCH INTERNSHIP

VPULab, Universidad Autónoma de Madrid, Spain

- Computer vision in the domain of Visual Tracking.
- Research on CNN tracking algorithms.

November 2018

LOCAL COMMITTEE MEMBER - The 23rd Iberoamerican Congress on Pattern Recognition

Universidad Autónoma de Madrid, Spain

EDUCATION

2019 - 2021

M.Sc., IMAGE PROCESSING AND COMPUTER VISION

Universidad Autónoma de Madrid, Madrid-Spain

Université de Bordeaux, Bordeaux-France

Pázmány Péter Katolikus Egyetem, Budapest-Hungary

- Erasmus Mundus Joint Master's degree
- M.Sc Thesis: Research on Real-time multi-target tracking (SIGMA TECHNOLOGIES GLOBAL)
- Augmented Reality Application - UNITY (Université de Bordeaux, Bordeaux, France)
- Research on recent Object Tracking Model Free algorithms based on CNN (VPULab, EPS, Universidad Autónoma de Madrid, Spain - Université de Bordeaux, Bordeaux, France)

2015 - 2019

B.Sc., TELECOMMUNICATIONS ENGINEERING

Universidad Autónoma de Madrid Madrid-Spain

- Processing and Audio & Video Communication Profile

OTHER COURSES

July 2021

GOOGLE CLOUD PLATFORM: BIG DATA & ML FUNDAMENTALS

Acciona

October 2020

WORKSHOP - DEEP LEARNING FOR COMPUTER VISION

Angelica I. Aviles Rivero (Research Associate, University of Cambridge)

March 2020

WORKSHOP - DEEP LEARNING FOR COMPUTER VISION

Insight Centre for Data Analytics - Dublin City University (DCU)

Sep 2020

CYBERSECURITY AND THE IOT

Coursera (University of Georgia)

April 2020

WORKSHOP - BUILDING A R+D TEAM IN A COMPANY

Álvaro Villegas (Nokia Bell Labs - Spain)

June 2019

SUMMERCAMP - IMPACT OF ARTIFICIAL INTELLIGENCE ON DEFENCE AND SECURITY

Universidad Politécnica de Madrid (UPM) and the National Defence Studies Centre (CESEDEN)

2014

CONFLICT MEDIATION

Bienaventurada Virgen María, Las Irlandesas, Madrid, Spain