Francisco Moreno

SOFTWARE ENGINEER

LinkedIn GitHub

(+34) 678 127 297

fran.moreno.se@gmail.com

Castellón de la Plana, Castellón, Spain

ABOUT ME

Proven Junior Software Engineer with 1+ years of experience in Machine Learning applied to Computer Vision and 1 year of experience in Software Test Automation. As a dedicated problem solver, I display a seasoned experience in Python and libraries/frameworks to solve real-world problems through code. In the course of my last job, I have gained hands-on experience in industry-standard development, as well as develop great analytical skills. Currently, my goal is to keep growing as an interdisciplinary software engineer to master my skills and acquire new ones.

EDUCATION

Universitat Jaume I
M.Sc. in Intelligent Systems
2020 – 2021

University of Málaga
B.S. in Electronics, Robotics and Mechatronics
2016 – 2020

SKILLS

- Python
- MySQL
- PyTorch, Tensorflow, Keras
- Unix, Bash
- Git
- Azure DevOps (Pipelines)
- AWS (EC2, S3, EBS)
- Docker, Kubernetes
- HTML, CSS, Javascript
- C, C++
- NoSQL (Cassandra, MongoDB, Neo4j)

COURSES

- Expertise in Big Data (4 months)
- Software Designer Mindset (4 months)
- Introduction to NLP

PUBLICATIONS

- *IbPRIA 2022*
- *OCEANS 2021*

SPOKEN LANGUAGES

- Spanish (Native)
- English (Professional level)

PROFESSIONAL EXPERIENCE

Test Automation Engineer

BDR Thermea Group | Apr. 2022 - Feb. 2023

- **Defining** integration**,** performance and regression **test plans** to define the **development state** of a generic appliance of the company. Tests **implemented with Robot Framework**.
- **Creating functional pipelines** in **Azure DevOps** with **proven benefits in CI/CD procedures** against the previous approach with Jenkins.
- **Continuous involvement** to improve the team's accomplishment and results with **Agile methodologies**.

Junior Machine Learning Engineer

Fisabio Foundation | Sept. 2021 - Mar. 2022

- Results of **95% hit** while **classifying** malfunctioning glomeruli in renal tissue images after applying an **image segmentation network** based on **U-net** architecture. **Developed, trained and tested from scratch** with **Keras**.
- **Optimization** of time costs by **pre-processing** original images with **MATLAB** and **Python** to obtain sub-images that can be fed to the model, so the result can be represented in its original format.
- Obtained experience while **operating** with a **Linux cluster** during the **network training process**.

Research Technical Support

Universitat Jaume I | Feb. 2021 - Jul. 2021

- Cooperated in the **Spanish national project** *ReAViPeRo* **developing** a **hybrid CNN-LSTM Neural Network** model architecture **from scratch** with **PyTorch**. **Design, train and validation** were performed. Work added to my **Master's Thesis**, obtaining **excellent final results**.
- **Published a scientific paper** in *IbPRIA22* Conference about the **research** in the usage of Event-based images for **First-person human action recognition** with **outstanding results** compared to conventional cameras.