



JOSE CARLOS YANEZ NIETO

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SOFTWARE ENGINEER SPECIALIZED IN MACHINE LEARNING

EXPERIENCE

SR MACHINE LEARNING ENGINEER

Pixofarm GmbH | Vienna, Austria, 03/2023 - 09/2023

Pixofarm is an innovative startup that provides an AI-powered mobile application enabling fruit growers to efficiently estimate yields and optimize harvests.

- Developed computer vision system for automated fruit measurement and counting using deep learning; deployed system on NVIDIA Orin NX
- Led image segmentation model improvements increasing tree segmentation accuracy
- Built and deployed high performance object detection into Android and iOS apps

MACHINE LEARNING ENGINEER

Money Forward Inc. | Tokyo, Japan, 01/2022 - 03/2023

Money Forward is one of Japan's most crucial fintech companies.

- Designed machine learning systems for document information extraction.
- Developed ML pipelines in AWS.
- Created computer vision models for object detection and OCR using PyTorch.
- Improved the team's Know-How and mentored new members.

MACHINE LEARNING ENGINEER

Human Resocia Co. Ltd. | Tokyo, Japan, 07/2018 - 12/2021

I was dispatched to NS Solutions R&D team to investigate AI in the manufacturing industry with a strong focus on computer vision.

- Led PoC projects from data labeling to demonstration using models like EfficientDet, CenterNet, YOLOv3, and Faster R-CNN.
- Applied quantization and pruning techniques to accelerate inference in different architectures such as CPU, GPU, edge devices, and smartphones.
- Developed prototype applications using Python, Swift, Java (Android), and C++.

SOFTWARE ENGINEER

Agfa HealthCare GmbH | Vienna, Austria, 11/2012 - 05/2018

- Introduced JEE Technology stack in the project.
- Designed and implemented new features that generated direct revenue such as Outlook synchronization, email/SMS notification, and ICS-Feeds (iCal).

EDUCATION

Computer Science Bachelor Degree by Universitat Politècnica de Catalunya (Barcelona, Spain, 2005 - 2010)

PROFILE

Software engineer with 13 years of experience specialized in machine learning.

Deep Learning applied to computer vision is the technology I am passionate about and enjoy the most.

EU Citizen.

LANGUAGES

Spanish: Native
Catalan: Native
English: Fluent
German: Fluent
Japanese: JLPTN3

CERTIFICATIONS & AWARDS

Product Innovation Award by
Agfa HealthCare (2016)

Oracle Certified Associate, Java
SE 8 Programmer (2015)

Maximum grade in final degree's
project by Universitat Politècnica
de Catalunya (2010)