

FRANCISCO LOURENÇO

Very flexible and passionate Computer Vision / Machine learning Engineer

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WORK EXPERIENCE

Machine Learning Engineer

Anything World

📅 Jan 2023 – Ongoing

📍 London, England

- At Anything World I was responsible for researching, developing, and implementing three large ML solutions that are currently in production and being used in the "Animate Anything" tool available at <https://app.anything.world>. These solutions are 3D shape classification, 3D shape alignment, and 3D part segmentation.
- I also worked in many other smaller ML and software engineering tasks.

3D Computer Vision Engineer

coatingAI

📅 Sep 2021 – Jan 2023

📍 Barcelona, Spain

- At coatingAI, by joining the start-up at a very early stage as the only computer vision engineer, I developed a 3D scanner from scratch using a multi stereo-camera system for a powder coating line.

Junior Researcher

Institute of Systems and Robotics

📅 Jan 2021 – Jun 2021

📍 Coimbra, Portugal

EDUCATION

Masters in Electrical and Computer Engineering

University of Coimbra

📅 2018 – 2021

📍 Coimbra, Portugal

- I focused my studies in Computer Vision/Machine learning.
- This is where I wrote my master thesis in the subject of 6DoF Object Pose Estimation from RGB-D Images using Machine Learning Approaches, and I proudly achieved a score of 19 out of 20.

Masters in Electrical and Computer Engineering as an exchange student

Aalto University

📅 2018 – 2019

📍 Espoo, Finland

Bachelor's degree in Electrical and Computer Engineering

University of Coimbra

📅 2015 – 2018

📍 Coimbra, Portugal

PUBLICATIONS

Intel RealSense SR305, D415 and L515: Experimental Evaluation and Comparison of Depth Estimation

VISIGRAPP 2021

Evaluation of the Accuracy of Pose Estimation Based on Relative Pose

RECPAD 2021

OTHER ACTIVITIES



Winner of Innovation Award
F1 in Schools 2012



3rd Fastest Car
F1 in Schools 2013



Winner of the Best Interview Award
National Robotics Festival 2014



Competition Rowing
Since 2007 until 2015, with participation in several National and International Competitions

TECHNICAL SKILLS

Python C++ PyTorch TensorFlow
ROS MatLab SQL CAD Design

SOFT SKILLS

Team Work: ● ● ● ● ● ● ● ● ○ ○
Organization: ● ● ● ● ● ● ● ● ○ ○
Leadership: ● ● ● ● ● ● ○ ○ ○ ○
Communication: ● ● ● ● ● ● ● ○ ○ ○

LANGUAGES

Portuguese native

English C2

Spanish C2

FIELDS OF INTEREST

Machine Learning Computer Vision
Point Clouds Data Science Mathematics
Coding Health Care Robotics
Automation and Control
Self Driving Vehicles 3D Animation

"A real team-player, who has the ability to work unsupervised and drive strategic projects."