

TIAGO RODRIGUES DE ALMEIDA

Doctoral Student ◇ ORCID: 0000-0001-9059-6175

(+351) [REDACTED] ◇ tmr.almeida96@gmail.pt

29 May, 1996 ◇ Portugal

ABOUT ME

I am a doctoral student in Computer Science who has been motivated by Artificial Intelligence since his Master's Degree. After that, I have been developing hard skills to deploy applications in those fields, such as Machine Learning, spanning from the study of Probabilities Theory to practical frameworks (e.g. PyTorch). Besides the complexity and outstanding results that has shown, characteristics that I appreciate, Machine Learning has the capability to change the current world paradigm and I want to be part of this. On my PhD, I am working specifically in human behaviour understanding, namely human motion. Besides work, I love travelling because it involves to meet different cultures. Also, I have been always a competitive person, therefore, any summer sport is always welcome. Finally, when there is enough spare time, I like to develop and deploy homemade projects.

EDUCATION

University of Örebro, Sweden

Sep 2020 - Present

Doctoral Student in Computer Science

WASP – Wallenberg AI, Autonomous Systems and Software Program

University of Aveiro, Portugal

Sep 2014 - July 2019

Master in Mechanical Engineering - GPA: 16/20

SPECIALIZATIONS

Amazon Web Services

Nov 2022

AWS Technical Essentials

WASP PhD courses

Oct 2020 - 2024

Artificial Intelligence and Machine Learning

Mathematics and Machine Learning

Deep Learning and GANs

Learning Feature Representations

CS50 from Harvard University

Jun 2020

CS50x

NVIDIA

Mar 2020

Getting started with Deepstream for video analytics on Jetson Nano

Coursera

Dec 2019 - Feb 2020

Deep Learning Specialization

TensorFlow in Practice Specialization

Applied Machine Learning in Python Course

Applied Plotting, Charting & Data Representation in Python

Introduction to Data Science in Python

Wall Street English, Aveiro, Portugal

Sep 2017 - Sep 2019

First Certificate in English - B2

WORK EXPERIENCE

University of Aveiro, Portugal

Sep 2019 - Sep 2020

Research Fellow

T.6.3.3 - Development of a flexible and low-cost localization and navigation system for PPS6 of the Produtech II SIF 24541 project.

Avesteel, Aveiro, Portugal

Aug 2016

Mechanical Locksmith Assistant

Temporary job in Renault Cacia to improve some practical hard skills. My task was to dismantle and clean engines from industrial machines.

INTERNSHIPS

Amazon, Barcelona, Spain

Oct 2022 - Apr 2023

Applied Scientist

Transit time estimation from anywhere to anywhere in the EU road transportation network:

- Geospatial data
- Deep Learning for tabular data
- Feature Engineering
- AWS deployment (model at beta stage)

Renault Cacia, Aveiro, Portugal

Jul 2018 - Aug 2018

Electronic Engineer

Implementation of an artificial vision station on a production line to control the components quality. The software used was Sherlock.

PUBLICATIONS AND PROJECTS

Multi-Camera and Multi-Algorithm Architecture for Visual Perception onboard the AT-LASCAR2

Master's Thesis (Advisor: Prof. Vítor Santos) - Score 19/20

Scholar: <https://scholar.google.com/citations?user=ORMNS9kAAAAJ&hl=en>

Blog: <https://tmralmeida.github.io/projects/index.html>

Youtube channel: <https://www.youtube.com/@tmralmeida96/videos>

Github: <https://github.com/tmralmeida>

RELEVANT TECHNICAL SKILLS

Languages

Portuguese, English

Programming Languages

Python, C, Matlab

Libraries / Frameworks

PyTorch, Pandas, SciPy, Numpy, Streamlit, ROS

Tooling

Latex, VSCode, Git, AWS

OS

Linux, Mac OS, Windows