TIAGO RODRIGUES DE ALMEIDA

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29 May, 1996 ⋄ Portugal

ABOUT ME

I am a last year Ph.D. candidate in Computer Science motivated by Artificial Intelligence since my Master's degree. Afterward, I developed hard skills to implement applications in these fields, such as Machine Learning, ranging from the study of Probability Theory to practical frameworks (e.g., PyTorch). In addition to the complexity and outstanding results that have been shown, which are characteristics that I appreciate, machine learning can change the current world paradigm, and I want to be part of it. For my Ph.D., I am working specifically on understanding human behavior, namely human trajectory patterns. Outside of work, I love to travel because I am exposed to different cultures. Also, I have always been competitive, so any summer sport is always welcome. Finally, I like to develop and implement homemade projects if there is enough free time.

EDUCATION

Technical University of Munich (TUM), Germany   *October 2024 - December 2024*
PhD Research Stay at PercInS Chair

University of Örebro, Sweden   *Sep 2020 - Present*
PhD Candidate in Computer Science
WASP – Wallenberg AI, Autonomous Systems and Software Program

University of Aveiro, Portugal   *Sep 2014 - July 2019*
M.Sc. in Mechanical Engineering - GPA: 16/20

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.

SPECIALIZATIONS

Amazon Web Services   *Nov 2022*
AWS Technical Essentials

WASP PhD courses   *Oct 2020 - 2024*
Software Engineering and Cloud Computing
Artificial Intelligence and Machine Learning

Matehematics 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.

PUBLICATIONS AND PROJECTS

Multi-Camera and Multi-Algorithm Architecture for Visual Perception onboard the AT-LASCAR2
MSc. Thesis (Advisor: Prof. Vítor Santos) - Grade 19/20

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

Github: https://github.com/tmralmeida

Linkedin: https://www.linkedin.com/in/tmralmeida/

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

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

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