

# TIAGO RODRIGUES DE ALMEIDA

PhD Candidate ◊ ORCID: 0000-0001-9059-6175

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29 May, 1996 ◊ Portugal

## ABOUT ME

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I am a 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

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**Technical Univeristy of Munich (TUM), Germany**

*October 2024 - Present*

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

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**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

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**Amazon Web Services**

*Nov 2022*

AWS Technical Essentials

**WASP PhD courses**

*Oct 2020 - 2024*

Software Engineering and Cloud Computing

Artificial Intelligence and Machine Learning

Mathematics and Machine Learning  
Deep Learning and GANs  
Learning Feature Representations

**CS50 from Harvard University**  
CS50x

*Jun 2020*

**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

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**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

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**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

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**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