DOUGLAS MACHADO

GRENOBLE INP – ENSE3 ENGINEER

Automation and Intelligent Systems Stream
Seeking a position as a PhD/Research Engineer
Specializing in Applied Artificial Intelligence.

CONTACT ME

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Git Hub   Linkedin

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SKILLS

- GenAI (LLM)
- Machine Learning
- Data science
- GIT & GIT HUB
- Docker
- Linux
- RAG
- Python
- C
- JAVA
- Matlab
- SQL

LANGUAGES

🌐 Portuguese - First Language

🌐 English - Fluent (C2 level)

🌐 French - Advanced (C1 level)

PAPERS AND PATENTS

Article - 2019   Article - 2022
Article - 2020   Patent - 2023
Article - 2021   (BR1020220257310)

VOLUNTEER WORK

French NGO
03/2023 - Présent
Brazilian NGO
08/2017 - 08/2022

EXPERIENCE

2024

Master Thesis
STMicroelectronics - Crolles, France
Manufacturing Data Science
02/2024 - Present
- Developing Smart Maintenance solutions utilizing Generative AI and Retrieval-Augmented Generation (RAG).

2023

Research assistant
Université Grenoble Alpes - Grenoble, France
Laboratory G-SCOP Grenoble
06/2023 - 09/2023
- Machine learning algorithm development.

2023 / 2020

Trainee at Industry 4.0
CERTI Foundation - Florianópolis, Brazil
Centers of Reference in Innovative Technologies
11/2020 - 04/2023
- Developing artificial intelligence algorithms for Industry 4.0 applications.

2021 / 2018

Research assistant
Fed. Uni. of Santa Catarina - Florianópolis, Brazil
Research laboratories
02/2018 - 02/2021
- Conducting research and developing algorithms

2017 / 2016

Assistant of Maintenance Planning and Control
Renner S.A - São José, Brazil
Automated Logistics Center
12/2016 - 08/2017
- Planning maintenance team interventions at the Logistics Center

2016 / 2014

Mechatronics Technician
Focotecno Automation - Porto Alegre, Brazil
Engineering company
01/2014 - 08/2016
- Programming PLCs and developing automation projects.

EDUCATION

Grenoble INP – ENSE3 Engineer, France
Automation and Intelligent Systems Stream
08/2022 - 08/2024

Federal University of Santa Catarina, Brazil
Automation and control Stream
03/2019 - 12/2024

Mechatronics technician – SENAI, Brazil
Vocational school
07/2012 - 08/2014