

Artur Back de Luca

website | github | linkedIn | e-mail

EDUCATION

UNIVERSITY OF ROME - LA SAPIENZA | M.Sc. IN ARTIFICIAL INTELLIGENCE AND ROBOTICS

09.2019 - Present | Rome, Italy

FEDERAL UNIVERSITY OF SANTA CATARINA - UFSC | B.Sc. IN MECHANICAL ENGINEERING

08.2013 - 02.2019 | Florianopolis, Brazil - Course overall performance rank: 92nd percentile

RWTH AACHEN UNIVERSITY | EXCHANGE PROGRAM

04.2017 - 01.2018 | Aachen, Germany

EXPERIENCE

MICROMED | TECHNICAL CONSULTANT

02.2021 - Present | Remote

- Designed and implemented machine learning models for detecting and classifying waves in electrocardiograms, matching state-of-the-art accuracy.

NEO EMPRESARIAL | ENGINEERING INTERN

05.2015 - 08.2018 | Florianopolis, Brazil

- Implemented machine learning and stochastic models for a ceramic manufacturer, increasing demand prediction performance by up to 85%
- Conducted 8 projects of 2 to 3 people, working with distinct management methodologies and leading multiple teams at once

CERTI FOUNDATION | SUMMER INTERN

01.2018 - 03.2018 | Florianopolis, Brazil

- Scraped, organized and analyzed customs service data, social media and e-commerce websites to provide insights into market behavior and trajectory using MongoDB, MySQL, and Python

FRAUNHOFER INSTITUTE FOR PRODUCTION TECHNOLOGY | RESEARCH ASSISTANT

04.2017 - 01.2018 | Aachen, Germany

- Helped design new Statistical Process Control techniques applied to Industry 4.0 contexts
- Implemented a web application to track manufacturing indicators using Django and ReactJS

WHIRLPOOL S.A. - EMBRACO | SUMMER INTERN

02.2016 - 03.2016 | Joinville, Brazil

- Developed a supplier performance and risk evaluation system, deployed in five different countries

NUMERICAL SIMULATION LAB. IN FLUID MECHANICS AND HEAT TRANSFER | RESEARCH ASSISTANT

02.2015 - 05.2015 | Florianopolis, Brazil

- Developed algorithms for processing mesh data in thermal simulations using C++

PERSONAL PROJECTS

For a more thorough portfolio, please refer to my website

ARTIFICIAL INTELLIGENCE STUDY GROUP - UFSC | CO-FOUNDER

09.2018 - 09.2019 | Florianopolis, Brazil

Group dedicated to share and study concepts on Data Science and Machine Learning through lessons and workshops

LANGUAGES

PROGRAMMING

Python • Matlab • JavaScript

SPOKEN & WRITTEN

Native or Fluent: Portuguese, English
Intermediate: German, Italian