

Artur Back de Luca

arturbackdeluca@gmail.com | +39 338 8900395
github | linkedIn

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

RHEINISCH-WESTFÄLISCHE TECHNISCHE HOCHSCHULE - RWTH | EXCHANGE PROGRAM

04.2017 - 01.2018 | Aachen, Germany

EXPERIENCE

NEO EMPRESARIAL | ENGINEERING INTERN

05.2015 - 08.2018 | Florianopolis, Brazil

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

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 assessment techniques applied to Industry 4.0 contexts
- Implemented a web application to analyse manufacturing data 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 reducing the process duration by approximately 65%

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

02.2015 - 05.2015 | Florianopolis, Brazil

- Developed algorithms for the treatment of finite volume mesh data in thermal simulations using C++

PERSONAL PROJECTS

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

EINSTEIN VESTIBULARES | VOLUNTARY DATA ANALYST

07.2018 - Present | Florianopolis, Brazil

An NGO that teach students who can't afford preparation courses for the entering exams of federal universities

- Implemented a model to identify potential dropouts and their inducing factors, generating faster and more assertive actions to help students to keep on studying

LANGUAGES

PROGRAMMING

Python • JavaScript • VBA • C++ • Matlab

SPOKEN & WRITTEN

Native or Fluent: Portuguese, English
Intermediate: German