

Artur Back de Luca

website | github | linkedIn | e-mail

EDUCATION

UNIVERSITY OF WATERLOO | MMATH IN COMPUTER SCIENCE

09.2022 - Present | Waterloo, Canada

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

09.2019 - 05.2022 | Rome, Italy

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

08.2013 - 02.2019 | Florianopolis, Brazil - Overall course ranking: 92nd percentile

RWTH AACHEN UNIVERSITY | EXCHANGE PROGRAM

04.2017 - 01.2018 | Aachen, Germany

EXPERIENCE

HUAWEI | STUDENT RESEARCHER

02.2022 - 01.2023 | Toronto, Canada

Hosted by Guojun Zhang and Yingxue Zhang

MICROMED / CERTI FOUNDATION | RESEARCH CONSULTANT

02.2021 - 01.2021 | Remote

NEO EMPRESARIAL | ENGINEERING INTERN

05.2015 - 08.2018 | Florianopolis, Brazil

CERTI FOUNDATION | SUMMER INTERN

01.2018 - 03.2018 | Florianopolis, Brazil

FRAUNHOFER INSTITUTE FOR PRODUCTION TECHNOLOGY | STUDENT RESEARCHER

04.2017 - 01.2018 | Aachen, Germany

WHIRLPOOL S.A. - EMBRACO | SUMMER INTERN

02.2016 - 03.2016 | Joinville, Brazil

NUMERICAL SIMULATION LAB. IN FLUID MECHANICS AND HEAT TRANSFER | STUDENT RESEARCHER

02.2015 - 05.2015 | Florianopolis, Brazil

PUBLICATIONS

1. Back de Luca, A., Zhang, G., Chen, X., & Yu, Y. (2022). Mitigating Data Heterogeneity in Federated Learning with Data Augmentation. arXiv:2206.09979.

AWARDS

M-IMAE | MATHEMATICS INTERNATIONAL MASTER'S AWARD OF EXCELLENCE

2022

LANGUAGES

PROGRAMMING

Python • Matlab • JavaScript

SPOKEN & WRITTEN

Native or Fluent: Portuguese, English

Intermediate: German, Italian

PERSONAL PROJECTS

For a more thorough portfolio, please refer to my website