



LUÍS G. P. CATTEALAN

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EDUCATION

Erasmus+ICM semester abroad

Sapienza University of Rome

Sept 2021 – Feb 2022

Rome, Italy

Bachelor in Physics

Federal University of Santa Catarina

Mar 2020 – Mar 2023

Florianópolis, Brazil

Bachelor in Astrophysics

Federal University of Rio Grande do Sul

Mar 2018 – Jan 2020

Porto Alegre, Brazil

WORK EXPERIENCE

Teaching assistant

Answer questions from students of Physics 1

Jun. 2020 – Sept 2021

Florianópolis, Brazil

Sci-Five

Popularization and monitoring of science in social media

Aug. 2019 – Jan 2020

Porto Alegre, Brazil

Observatório Educativo Intinerante

Astronomy outreach project

June 2018 – Aug 2019

Porto Alegre, Brazil

PROJECTS AND RESEARCH

Resilience of tropical ecosystems

Research in Earth System Science

Jan 2021 – Current

History of Astronomical Observatories in Porto Alegre

Research in History of Science

2019

Meninas na Ciência

Gender inequality in science

2019

- Volunteer

Akotirene Ciência

Race inequality in science

2019

- Volunteer

CONFERENCES AND PRESENTATIONS

History of Astronomical Observatories in Porto Alegre

National meeting on History of Physics

Sept 2020

São Paulo, Brazil

Observatório Educativo Intinerante: 20 years of astronomical outreach

National meeting of Brazilian Astronomical Society

Sept 2020

São Paulo, Brazil

HONORS AND SCHOLARSHIPS

Erasmus+ ICM Scholarship

Semester abroad in Sapienza University of Rome

Sept 2021 - Feb 2022

Rome

Datathon-Poatek

XCOVID: A transfer learning based COVID-19 lung x-ray classifier made into a WebApp

Mar 2021

Poatek

Research Scholarship

Aug 2019 – Jan 2020

Outreach Scholarship

June 2018 – Aug 2019

COMMUNITY INVOLVEMENT

Computational Physics Group (GFC - UFRGS)

2020

Co-Founder. Undergraduate study group.

Porto Alegre, Brazil

ONLINE COURSES

Deep Learning for Remote Sensing Imaging

2021

National Institute for Space Research (INPE)

Brazil

Artificial intelligence and applications in physics

2021

Brazilian Center for Research in Physics(CBPF)

Brazil

Trustworthy Artificial Intelligence for Environmental Science (TAI4ES)

2021

National Center for Atmospheric Research (NCAR)

Applied Data Science with Python Specialization

2021

University of Michigan

Coursera

Introduction to Complexity

2021

Santa Fe Institute

Complexity Explorer

Nonlinear Dynamics: Mathematical and Computational Approaches

2021

Santa Fe Institute

Complexity Explorer

Planetary Boundaries

2021

SDG Academy

edX

Introduction to Tropical Meteorology

2021

University Corporation for Atmospheric Research

MetEd

Global Warming I: The Science and Modeling of Climate Change

2020

University of Chicago

Coursera

Climate Change and Health: From Science to Action

2020

Yale University

Coursera

Ecology: Ecosystem Dynamics and Conservation

2020

American Museum of Natural History

Coursera

Data-driven Astronomy

2020

University of Sydney

Coursera

Climate Change From Learning to Action

2020

United Nations Institute for Training and Research

UN CC:Learn

SKILLS

Languages: Portuguese (Native), English (B2), Italian (B1), German (A2)

Programming: Python (NumPy, SciPy, Matplotlib, Pandas), C, Linux command line

Document Creation: Microsoft Office Suite, LaTeX, Markdown