



# LUÍS G. P. CATTELAN

+55 (48) 991286166

luisgustavo2000@gmail.com

Rua Munique 105, Florianópolis-SC, Brasil.

## EDUCATION

### **Laurea Magistrale in Atmospheric Science**

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

### **Sci-Five**

Popularization and monitoring of science in social media

Aug. 2019 – Jan 2020

Porto Alegre, Brazil

### **Observatório Educativo Itinerante**

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

- Volunteer

2019

### **Akotirene Ciência**

Race inequality in science

- Volunteer

2019

## CONFERENCES AND PRESENTATIONS

### **History of Astronomical Observatories in Porto Alegre**

National meeting on History of Physics

Sept 2020

São Paulo, Brazil

### **Observatório Educativo Itinerante: 20 years of astronomical outreach**

National meeting of Brazilian Astronomical Society

Sept 2020

São Paulo, Brazil

## HONORS AND SCHOLARSHIPS

### **Erasmus+ ICM Scholarship**

Abroad semester in Sapienza University of Rome

Mar 2021

Rome

### **Datathon-Poatek**

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

Mar 2021

Poatek

### **Initiation Scientific Scholarship**

Aug 2019 – Jan 2020

### **Outreach Scholarship**

June 2018 – Aug 2019

## COMMUNITY INVOLVEMENT

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### **Computational Physics Group (GFC - UFRGS)**

Co-Founder. Undergraduate study group.

2020

Porto Alegre, Brazil

## ONLINE COURSES

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### **Applied Data Science with Python Specialization**

University of Michigan

2021

Coursera

### **Introduction to Complexity**

Santa Fe Institute

2021

Complexity Explorer

### **Nonlinear Dynamics: Mathematical and Computational Approaches**

Santa Fe Institute

2021

Complexity Explorer

### **Planetary Boundaries**

SDG Academy

2021

edX

### **Introdução à Agronomia com Python e dados**

Instituto de Ciências Matemáticas e de Computação

2021

USP

### **Global Warming I: The Science and Modeling of Climate Change**

University of Chicago

2020

Coursera

### **Climate Change and Health: From Science to Action**

Yale University

2020

Coursera

### **Ecology: Ecosystem Dynamics and Conservation**

American Museum of Natural History

2020

Coursera

### **Data-driven Astronomy**

University of Sydney

2020

Coursera

### **Climate Change From Learning to Action**

United Nations Institute for Training and Research

2020

UN CC:Learn

## SKILLS

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**Languages:** Portuguese (Native), English (B2), Italian (A1), German (A2)

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

**Document Creation:** Microsoft Office Suite, LaTeX, Markdown