



# LUÍS G. P. CATTELAN

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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

Semester abroad 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

### Research 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

### **Introduction to Tropical Meteorology**

University Corporation for Atmospheric Research

2021

MetEd

### **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