

# Lucas Romero Fernández

Physicist



## About me

A hard-working, kind and diligent person with a strong sense of duty since childhood, who always seeks self-improvement and continuous learning day after day. Even if sometimes this attitude can demand too much of me, make me worry excessively and overwhelm me, I always strive to overcome adversity and find success with perseverance, effort and teamwork. At the moment, seeking to become a PhD student to train in the research sector in any area slightly related to my interests.

## Personal

Lucas Romero Fernández  
Nationality: Spanish  
Date of birth: June, 18, 2000  
Adress: C/Rosella, 9, 07141, Marratxi, Majorca, Balearic Islands, Spain

## Areas of specialization

• Physics • Astrophysics • Solar Physics • Programming • python (NumPy, SymPy)

## Interests

Astrophysics (especially, solar physics), research, programming (mostly in Python), numerical simulations, numerical solutions of equations, data analysis and management, continuous training, and increasing my overall learning capacity.

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Lucas Romero Fernández

## SHORT RESUMÉ

2019-2024

### Bachelor of Science in Physics

UNIVERSITAT DE LES ILLES BALEARS · Majorca, Balearic Islands

Degree where the user has developed a background of essential concepts in the field of physics with specialization in relativity and astrophysics, with practical implementations through computational physics and programming. The final degree project centered around MHD waves in the solar corona.



2024-2025

### Master's Degree in Advanced Physics and Applied Mathematics

UNIVERSITAT DE LES ILLES BALEARS · Majorca, Balearic Islands

Advanced training for the Physics Degree, directed towards research, although with nuances focused on the professional field. Specialized in astrophysics and relativity, including plasma and solar physics (especially, magnetohydrodynamics) and computational analysis. The master's thesis (with possibilities of turning into an article in the future) centered around dissipative torsional Alfvén waves in solar photospheric flux tubes.



## EDUCATION

2017

### Compulsory Secondary Education (Final grade of 8.83)

CERTIFIED · Es Liceu, Majorca, Balearic Islands



2019

### Baccalaureate (Final grade of 9.16)

CERTIFIED · IES Ses Estacions, Majorca, Balearic Islands



2024

### BSc in Physics (Final grade of 6.77)

CERTIFIED · Universitat de les Illes Balears, Majorca, Balearic Islands



2025

### MSc in Advanced Physics and Applied Mathematics (Final grade of 8.98)

CERTIFIED · Universitat de les Illes Balears, Majorca, Balearic Islands



## USED SOFTWARE

Python



LaTeX



Wolfram



Julia



MATLAB



Excel



R



## TRANSVERSAL SKILLS

- Learning and knowledge utilization.
- Planning, organization and concern for order and quality.
- Empathy.
- Self-control.
- Communication, teamwork and cooperation.
- Analytical and critical thinking.
- Initiative.
- Commitment to the organization.

## CERTIFICATES & RECOGNITIONS

2017

Special acknowledgment for the academic trajectory and study commitment in Compulsory Secondary Education

2018

Compulsory Secondary Education Certificate

2019

Catalan C1 Certificate

2019

Baccalaureate Certificate

2024

BSc in Physics Certificate

2025

English B2 Certificate

2025

MSc in Advanced Physics and Applied Mathematics Certificate

## LANGUAGES

Spanish

Native

mother tongue

Catalan

C1

With certificate

English

B2

With certificate