



# Giovanni Cusimano

**Nationality:** Italian

**Gender:** Male

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📍 **Address:** Via Archirafi, 36, 90123 Palermo (Italy)

## ABOUT ME

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I am a bachelor student at University of Palermo majoring in Physics. I have obtained my C1 Advanced English certificate at 17 years old while still a High School pupil. I graduated with full marks (100/100) at my local High School (Liceo Scientifico, tradizionale) in 2019. During my spare time, I have taken piano lessons whose results have led me to plan on enrolling at my local Conservatory in the near future. I am looking for internships to get work experience.

## EDUCATION AND TRAINING

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### **Bachelor Degree in Physics (Laurea in Fisica, L30)**

**Università degli Studi di Palermo** [ 5 Oct 2020 – Current ]

**Address:** Via Archirafi 36, 90123 Palermo (Italy)

[www.unipa.it](http://www.unipa.it)

**Field(s) of study:** Natural sciences, mathematics and statistics : *Physics Mathematics Statistics*

**Level in EQF:** EQF level 6

**National classification:** Laurea in Fisica (L30) – **Type of credits:** CFU (1 CFU = 1 ECTS) – **Number of credits:** 180

Exam results ( /30, where 18/30 is the minimum and 30 the maximum) as of today with corresponding ECTS:

- **Linear Algebra and Geometry:** 30/30 - 6 ECTS
- **C Programming and basics of Computer Science:** 30 *cum laude*/30 - 6 ECTS

### **Scientific High School**

**Liceo Scientifico Santi Savarino** [ 1 Sep 2014 – Jul 2019 ]

**Address:** Via Peppino Impastato snc (C.da Turrisi), 90047 Partinico (PA) (Italy)

[www.liceosavarino.edu.it](http://www.liceosavarino.edu.it)

**Field(s) of study:** Natural sciences, mathematics and statistics : *Biology Physics Mathematics Chemistry* , Arts and humanities : *Philosophy and ethics Literature and linguistics Language acquisition*

**Final grade :** 100/100 – **Level in EQF:** EQF level 4

**National classification:** Diploma di Liceo Scientifico (Maturità Scientifica)

## LANGUAGE SKILLS

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Mother tongue(s): **Italian**

Other language(s):

### **English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

### **French**

**LISTENING A1 READING A2 WRITING A2**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

## DIGITAL SKILLS

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### Programming languages

C and Python / Proficient user of LaTeX / Mathematica (basics)

### Lab data etc.

Data analysis and graphing / CASIO graphing tools / AutoCAD

## RECOMMENDATIONS

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### Computer science and programming professor

Name: Salvatore Micciché

Email: [salvatore.micciche@unipa.it](mailto:salvatore.micciche@unipa.it)

I have been knowing Mr. Giovanni Cusimano since the beginning of October 2020. He has been my student of the first year course "Computer Science and Programming" that I teach at the University of Palermo, bachelor degree in Physical Sciences. Mr Cusimano has been a bright student who attended all the lectures achieving brilliant results. His computational skills are outstanding and this is the reason why he passed the final exam with marks 30/30 *cum laude*. With no doubt that he will greatly benefit from being involved in one of the CASSUM Projects. However, I also believe that he will contribute with his high skills to the success of these projects, notwithstanding his relatively limited experience.

*Yours faithfully*

Palermo, 16/02/2021

[bit.ly/micciche\\_letter](https://bit.ly/micciche_letter)

## PROJECTS

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### The Lorenz Attractor programmed in C and animated on Python

[ 19 Dec 2020 – 22 Jan 2021 ]

As part of the *Computer Science and C programming* exam, we were given the possibility to show our abilities through an optional final assignment chosen from the professor's shortlist of four suggestions. The subject I chose led me to understand the basis of deterministic chaos theory, the fundamentals of numerical analysis (Euler's and Runge-Kutta 4 methods) to approximate the ODE system's solutions. In addition to this, I deepened my knowledge of the C and Python programming languages and learned how to efficiently implement and employ unusual libraries such as *Manim* in order to produce an animated strange attractor.

[bit.ly/Manim\\_Lorenz](https://bit.ly/Manim_Lorenz)

### Wright's "Fallingwater" on AutoCAD

[ May 2019 ]

*Fallingwater*, a house designed by architect F. L. Wright in 1935, reproduced on AutoCAD as a computer-aided design assignment for my Arts and Design class at High School.

<http://bit.ly/gcfallingwater>

## HONOURS AND AWARDS

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### Honour conferred by the Mayor of the City of Partinico

Comune di Partinico, Città metropolitana di Palermo [ 31 Aug 2019 ]

Event organised by the City of Partinico to publicly honour the students who graduated with full marks.

<https://www.partinicolive.it/2019/08/31/partinico-comune-consegnati-attegnati-a-studenti-diplomati-con-il-massimo-dei-voti/>

## **Olimpiadi Italiane di Fisica (Italian Physics Olympiad): 1st placed (Gara di Istituto)**

Liceo S. Savarino / Olifis [ 2017 ]

I placed first during a stage of the [Italian Physics Olympiad](#).