

Álvaro Díez

Curriculum Vitae

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Pre - University Studies

2008-2010 **Bachillerato Español**, *Instituto Santa Clara, Santander, High School Studies.*

As IB was not officially recognised as valid studies in Spain at the time, the equivalent "Bachillerato" was also completed simultaneously

- Final grade: /10 Including selectividad¹

2008-2010 **International Baccalaureate**, *Instituto Santa Clara, Santander, High School Studies.*

Studied simultaneously with "Bachillerato" and completed in two years following High School's schedule

- Final grade: 31 pt
 - Including 6/7 in Physics

University Studies

2010-current **Degree in Physics**, *Universidad de Cantabria, Santander, .*

Remarks:

- 2012-2013 Erasmus in Norway
 - Subjects taken:
 - Statistical Physics
 - ATMOS
 - Differential equations
- Currently working on the final project of the degree:
 - title *Study of the properties of a silicon diode as a particle detector*
 - supervisor Ivan Vila

Experience

Vocational

2013-current **Founder and member of the Physics Mentor Group**, *Santander,*

The Physics Mentor Group is a group founded by students and aimed to help students in their first and second year at university.

The Physics Mentor Group also:

- Helped promoting physics amongst high school students during doors open days
- Took part in the European night of the researcher in Santander

¹National university-entry exam

- Took part in the first science fair in Cantabria [December 2015]
- Organized the Gran Gymkhana de Ciencias
(the first skill-based contest for students ever organised in the UC)

Sports

2007–current **Handball Referee.**

8 years of uninterrupted handball refereeing in a variety of categories

Achievements:

- Designated as national referee in 2010
 - Member of the Spanish Young referees Handball Project 2011-2012²
 - Designated referee for the international tournament "Granoller Cup" 2010 & 2011
 - One year refereeing in Norway up to third level *During the Erasmus*
 - Several nominations as referee for Spanish Championship up to under 18 y.o. level
- 2009–2010 **Handball coach of a kids team.**

Journalism

2012–2013 **Android Blog Journalist**, *El Androide Libre*.

One year work as journalist for a top Spanish blog about Android

2014–current **Science Blog Journalist**, *Medciencia*.

Currently working as physics journalist for the Medciencia weblog

General Achievements:

- Three times featured in the main page of Meneame.com³ with:
 - Graphene Supercapacitors: batteries that will charge in 30 seconds and last all day
 - Why does blue LED deserve a Nobel Prize in Physics and green LED doesn't?
 - The story of the "invisible monster" that wrecked trains in Siberia
 - How to think in 11 dimensions and not die in the process

Languages

English **C1 Level**

Cambridge Certificate in Advance English obtained in May 2010

French **Basic Level**

Studied french at school 2004-2008

Computer skills

Programming Experience with Java, Matlab & LaTeX.

Languages Basic knowledge of Python, Fortran

Operative Plenty of experience with Windows and UNIX/LINUX based OS including command systems line

Project ended in 2012 after the new president of the Spanish Handball Federation was elected
Top site of news in Spain (community based)