

Sebastián Torrente Carrillo

Addendum I: Education

Education

- 2001-2013 **Licentiate Degree in Physics**, *University of Murcia*, Murcia.
Equivalent to a BS+MS. Specialization in '*Electronics and automatics*.' With also computational physics and astrophysics classes due to personal interest.
- A Grades: Nuclear and Particle Physics, General Relativity and Cosmology, Groups Theory Applied to Physics.
 - B Grades: Computational Physics, Advanced Simulations, Robotics, Photonics.
 - Student intern in the class 'General Relativity and Cosmology'.
 - Volunteered to edit and typeset the compilation book with all the papers wrote for the Nuclear Physics class, which will be published. I got more experience with L^AT_EX, rewriting and turning the papers into a single book with an unified style.
 - Staff member in the *FISPAC* stand during *SECyT 2010*. Contributed with the creation of posters and flyers and also giving divulgation speeches about astro and particle physics to a wide variety of public. Solved the shortage of material by creating a mailing list. Everyone interested was welcome to register so we could send them digital versions of the posters. Thanks to this, *FISPAC* got in contact with a lot of high schools for future divulgation activities.

Additional education

- 2012 **6.002x Circuits and Electronics**, *MITx*.
Took this course to refresh my knowledge in electronics and to test online education.
Verification code:
<https://verify.edxonline.org/cert/e9af31ea9ce7435fa021ca908b4bfeac>
- 2012 **CS169.1x and 2x: Software as a Service**, *Edx*.
It was a good way to learn Agile Development techniques and also give a try to Ruby and Rails. After this course I added Git into my arsenal of tools.
Verification codes:
<https://verify.edx.org/cert/61e969054b3e4edeacb84805c41d4301> and
<https://verify.edx.org/cert/29cf1609f4c540c38f0eea4184ff9670>
- 2012 **CS188.1x: Artificial Intelligence**, *Edx*.
Took this course out of curiosity and because it requires some Python programming I could use as training.
Verification codes:
<https://verify.edx.org/cert/2907f427165e4e3d85036db258752aab>
- 2010 **Astroparticles: what is the universe made of?**, *University of Alcalá*, Sigüenza.
Summer Course, 25 hours. Due to my good relations with the teacher Javier Bussons Gordo I went to a course organised by him. Got into contact with a lot of interesting projects like the particles observatory in Canfranc and the Consolider Multidark.

- 2008 **Statistical Analysis of Data with SPSS**, *University of Salamanca*, Salamanca.
Summer Course, 30 hours. I wanted to visit Salamanca and learn a little bit of SPSS to see if it was a tool I could use in the future.
- 2008 **Schools of Mathematics Lluís Santaló. Aspect of operator algebras and applications**, *International University Menéndez Pelayo*, Santander.
30 hours summer course. My goals were to meet people, learn some state of the art math and practice my english.
- 2007 **Artificial Vision**, *University of Cantabria*, Santander.
Summer Course, 20 hours.
- 2007 **Quantum computation and topological orders**, *Complutense University of Madrid*, San Lorenzo del Escorial.
Summer Course, 30 hours. As a course in english, it was a great opportunity to practice with the language and talk with physicist from all over the world.
- 2006 **Hidrogen and fuel batteries: energy for the XXI century**, *UNED*, El Barco de avila.
Summer Course, 18 hours.
- 2006 **Process Control: Applications in MATLAB-SIMULINK**, *UNED*, Ávila.
Summer Course, 35 hours. I wanted to try summer courses as a way of having more productive summer holydays and to learn uses of MATLAB other than the ones I did in college.
- 1992-2001 **Bachelor of Music**, *Conservatory of Lorca*, Lorca.
Violin.