

# Sebastián Torrente

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*Physics MS*

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## Profile

I am a Physics graduate always in search of knowledge and challenges and with a strong interest in programming. With my degree finished, I've set my next goal in getting a first job or an internship where I can develop and hone a wide range of professional skills, complementing what I've learned during college and by myself. I offer an inquisitive and perseverant mind, happy to share his knowledge and lend a hand when needed.

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## 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.

- 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  $\text{\LaTeX}$ , 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.

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## Additional education

2012 **6.002x Circuits and Electronics**, *MITx*.

I wanted to brush up my knowledge in electronics and explore the option of online education.

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.

2012 **CS188.1x: Artificial Intelligence**, *Edx*.

Took this course out of curiosity and because it requires some Python programming I could use as training.

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 **Quantum computation and topological orders**, *Complutense University of Madrid*, San Lorenzo del Escorial.

Summer Course, 30 hours. Same reasons as above but with quantum physics.

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## Experience

- 2006–Present **Freelance Card Game Designer**, *Edge Entertainment*.  
Co-creator and Main Designer of the card game 'Crisis: Tokyo', of future release in three languages.
- Won the board game design contest (card game category) thanks in no small part to the creation of a convincing prototype and a good pitch.
  - Learned all the aspect of the design and management of a product, given that *Edge Entertainment* gave us a lot of control (and responsibility) over all the process and the final say on every aspect.
  - It was also a chance to take a lot of different roles and to collaborate with external teams: editors, illustrators, translators, beta testers...

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## Languages

- Spanish **Native** *Great level with a rich vocabulary, even for a native.*  
English **Fluent spoken and written** *ESOL Cambridge CAE Grade A*  
French **Basic** *Learned during high school, I plan to pick it up again.*

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## Computer Skills

- Python **2.7, 3.3, IPython** *Preferred language, currently learning Numpy and Scipy*  
L<sup>A</sup>T<sub>E</sub>X **MikTeX and Texmaker** *Main choice for typesetting*  
Fortran **FORTRAN77** *Used in computational physics, switching to Numpy*  
Other **MATLAB, C, R, Git(Github)** *<https://github.com/SebastianTorrente/>*

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## Interests

- Electronics Design, assembly and soldering of small electronics devices. Last project: an arcade stick with detachable cable and compatible with a wide range of systems.
- Learning Acquiring new skills. Currently learning Ruby, and TkInter. Once I settle down I plan to learn German, French and some martial art as a physical activity.
- Hobbies Taking online and summer courses, travel, cooking, organising science fiction and martial arts cinema sessions, read, trade and discuss comics and novels and make small fighting game tournaments with friends.

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## Personal Skills

- Lateral Thinker Crazy ideas may not be the correct ones all the time, but they are always interesting and worth exploring.
- Problem solver With a "let's fix it" attitude and very enthusiastic about it. Doubly so if I have to learn new skills to tackle the problem. I would like to insist about it: I really love to learn new skills, even if they do not seem practical at first.
- Team worker Silver tongue with great exposition skills. Supportive to others, happy to share and support ideas and fun to have around.
- Curious and polymorphic I just cannot resist the temptation of trying my hand at tasks I've never done before and figuring out how things work.

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