

Sebastián Torrente Carrillo

Physics MS

Profile

I'm a Physics graduate always in search of knowledge and challenges and with a strong interest in programming. After recovering from the major setback in my life, and with the hard learned lessons I've learnt from that, I've set my goal in getting a first job or an internship where I can develop and hone a wide set of professional skills, leading me to a good career start. I offer an inquisitive and perseverant mind, happy to share his knowledge and lend a hand when needed.

Education

2001-2013 **Licenciate Degree in Physics**, *University of Murcia*, Murcia.

Equivalent to a BS+MS. Specialization in '*Electronics and automatics*'. I also developed a strong interest in computational physics and astrophysics.

- Recovered from my big mistakes in the first years, which led me to hard learned lessons. Mainly how to recover from a crisis scenario by analyzing my mistakes calmly, setting a plan and persevering to reach my goal.
- Volunteered to edit and typeset the compilation book with all the papers wrote for the Nuclear Physics class, which will be published. Thanks to this, I took the chance to get more experience with L^AT_EX, rewriting and turning the papers into a single book with a unified style.
- Staff member in the *FISPAC* stand during *SECyT 2010*. Collaborated with the creation of posters, flyers and attending the stand, giving divulgation speeches about particle physics to a wide range of listeners. Solved the shortage of material by creating a mailing list. Everyone interested was welcome to register so we could send them pdfs with all 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*.

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

2012 **CS169.1x and 2x: Software as a Service**, *Edx*.

Chose those two to courses to learn Agile Development techniques along with some Ruby.

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

Being about AI and requiring some Python programing I couldn't let this one pass.

2008 **Schools of Mathematics Lluís Santaló. Aspect of operator algebras and applications**, *International University Menéndez Pelayo*, Santander.

Summer Course, 30 hours.

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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.
- Learnt 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 last say in every aspect.
- Was able to take a lot of different roles and to collaborate with external teams: illustrators, translators and betatesters.

Languages

Spanish	Native	<i>Great level with a rich vocabulary even for a native.</i>
English	Fluent spoken and written	<i>CEFR Level C2, ESOL Cambridge CAE Grade A</i>
French	Basic	<i>Learnt during high school, I want to pick it up again.</i>

Computer Skills

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

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 physical activity.
Hobbies	Taking online and summer courses, traveling, cooking, taking long walks, science fiction and martial arts cinema, model kits, comics and fighting games.

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 good dose of a "let's fix it" attitude and very passionate. Doubly so if I have to learn new skills to tackle the problem. I'd like to insist about it: I really love to learn new skills, even if they don't 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 can't resist the temptation of trying my hand at tasks I've never done before and figuring out how things work.

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