

Sebastián Torrente Carrillo

Physics MS

Profile

A recent graduate always in search of knowledge and challenges. I love to learn new things (you never know enough), so I've set my goals in getting a first job where I can develop (and hone!) a wide set of professional skills, mainly programming and data analysis. 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 an strong interest in computational physics and astrophysics. To the point of learning programming by myself, getting me into the good habit of researching things on my own.

- Volunteered to edit and typeset a compilation of all the papers wrote in the class '*Nuclear Physics*' which will be published. With this I took the chance to get more experience with L^AT_EX. It was also an excellent opportunity to work with the code of others, rewriting and turning them into a single book with an unified style.
- Participation in the *FISPAC* stand in the week of science *SECyT 2010*. Colaborated with the creation of posters, flyers and attending the stand, giving divulgation speeches about particle physics. 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 also got in contact with a lot of high schools for future activities.

Additional education

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

I wanted to brush up my knowledge in electronics and to test online education.

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

As much as I love Physics, they don't teach you Agile Development in the degree. So I picked up this course to learn it along with some Ruby.

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

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

2008 **Statistical Analysis of Data with SPSS**, *University of Salamanca*, Salamanca.

Summer Course, 30 hours.

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 'Agile' dynamics even before I knew about the concept. In each iteration, the beta testing team (lead by the other creator) sent me the results and I made the necessary changes to the rules and/or cards. The same goes for illustrations and translation of the cards and manual.
- And all this without missing not even a single deadline!

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	Numpy, IPython	<i>Preferred language</i>
LaTeX	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 ten systems.
Learning	Acquiring new skills. Currently learning Ruby, SML 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 solving skills	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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