Juan Sidrach de Cardona Mora

Resume

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Education

2015 – 2017	**M.S. in Computational Science, Mathematics and Engineering**, University of California, San Diego.
2010 – 2015	**Double Degree in Mathematics and Computer Science**, Universidad Autónoma de Madrid, *360 ECTS. Combined GPA – 8.4/10. Computer Science GPA – 9.1/10.*

Experience

Sept. 2015 – Present	**Teaching Assistant**, *University of California, San Diego - UCSD*. Department of Mathematics
July 2015 – Sept. 2015	**Web Developer**, *Innovación en Sistemas de Monitorización - ISM*. ○ Defined, planned and managed the team tasks. ○ Incorporated several software tools to the work flow, speeding up the software development process. ○ Designed and implemented a module for the visualization of photovoltaic and self-consumption facilities for emoncms (emoncms.org, a powerful open-source web-app for processing and visualising energy and other environmental data). ○ Developed a semi-automatic system to create users with pre-defined features for emoncms.
Sept. 2014 – June 2015	**Software Developer Intern**, *High Performance Computing and Networking - HPCN*. ○ Contributed to the implementation of an API to federate a testbed into the European project Fed4FIRE. ○ Designed and implemented a web-based service to manage high performance network FPGA traffic capturers, as part of the End-of-Degree Project.
June 2014 – Sept. 2014	**Banking Analytics Intern**, *Knowledge Engineering Institute - IIC*. ○ Developed several software tools, such as a redmine plugin and a program to help with database migrations.
June 2012 – Sept. 2012	**Web Developer Intern**, *Innovación en Sistemas de Monitorización - ISM*. ○ Contributed to the emoncms project, implementing localization support.

Honors, grants and awards

2011 – 2015	Highest Distinctions (honors, top 5%) awarded for the academic performance in the following courses:

○ Introduction to Videogame Programming and Graphics (2015)

○ Computer Systems II (2014)	○ Computer Systems I (2014)
○ Artificial Intelligence (2013)	○ Computer Architecture (2013)
○ Communication Networks II (2013)	○ Programming Project (2012)
○ Introduction to Computers (2011)	○ Programming I (2011)

2011 – 2015	**Excellence Grant**, *Community of Madrid*, Scholarship based on academic achievement, granted to the top 5% university students. Awarded three times (2011, 2014, 2015).
2010	**"Ciudad de Málaga" Education Award**, *Málaga City Council*, Granted for the academic performance (top 10 high-school students in the city).

Technical skills

Prog. Langs.	C, JavaScript, PHP, HTML, CSS, C#, Java
Frameworks	jQuery, node.js, express.js

Other courses

Summer 2015	**Data Visualization**, University of Illinois at Urbana–Champaign (Coursera).

Languages

Spanish	**Native**
English	**TOEFL iBT** (2015) - 108/120, **Certificate in Advanced English** (2014) - Exceptional in Writing and Reading.

Hobbies

○ Music (Piano, Drums, Saxophone)	○ Open Source Projects