Juan Sidrach de Cardona Mora

Curriculum Vitae

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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**, *360 ECTS. Combined GPA – 8.4/10. Computer Science GPA – 9.1/10*, Universidad Autónoma de Madrid.

Experience

Oct. 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 software tools to the work flow, speeding up and increasing the quality of the software development process. ○ Developed a semi-automatic system to create users with pre-defined features for the emoncms platform (emoncms.org). ○ Designed and implemented an emoncms module for the visualization of photovoltaic self-consumption facilities.

Internships

Sept. 2014 – June 2015	**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.
Summer 2014	**Knowledge Engineering Institute - IIC**. ○ Developed several software tools, as part of the Banking Analytics team.
Summer 2012	**Innovación en Sistemas de Monitorización - ISM**. ○ Contributed to emoncms (emoncms.org - a powerful open-source web-app for processing and visualising energy, temperature and other environmental data), implementing localization support.

Other courses

Summer 2015	**Data Visualization**, University of Illinois at Urbana–Champaign (Coursera).
2012 – 2015	**English** - **Adult 7 to 9**, British Council.

Technical skills

Prog. Langs.	C, JavaScript, PHP, HTML, CSS, C#, Java
Frameworks	jQuery, node.js, express.js
Software	git, GNU/Linux (Desktop & Server), Windows

Honors, grants and awards

2011 – 2015 Highest Distinctions (honors) 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 university students.
Awarded three times (2011, 2014, 2015).

2010 **"Ciudad de Málaga" Education Award**, *Málaga City Council*,
Granted for the academic performance.

Languages

Spanish **Native**

English **Advanced (C1) Level**

2015 **TOEFL iBT**, *ETS*.
108/120

2014 **Certificate in Advanced English**, *Cambridge English*.
Exceptional in Writing and Reading

Interests and hobbies

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

References

References upon request