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.
2008 – 2010	**Bachelor of Technology**, *First Class Honours, GPA – 10/10*, Colegio Cerrado de Calderón, Málaga.

Professional experience

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 and increasing the quality of the software development process.
- Developed a semi-automatic system to create users with pre-defined features.
- Contributed to Emoncms (emoncms.org), a powerful open-source web-app for processing, logging and visualising energy, temperature and other environmental data.

Jan. 2015 – 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.

Sept. 2014 – May 2015 — **Collaboration**, *High Performance Computing and Networking - HPCN*.
- Designed and implemented a web-based service to manage high performance network FPGA traffic capturers, as part of the End-of-Degree Project.

July 2014 – Sept. 2014 — **Banking Analytics Intern**, *Knowledge Engineering Institute - IIC*.
- Developed several software tools.

June 2012 – July 2012 — **Intern**, *Innovación en Sistemas de Monitorización - ISM*.
- Contributed to Emoncms (emoncms.org), a powerful open-source web-app for processing, logging and visualising energy, temperature and other environmental data.
- Implemented multilingual support.

Other courses

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

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 awarded by the Community of Madrid based on the best student records. Awarded three times (2011, 2014, 2015).

Technical skills

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

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

- Open Source Projects
- Software Engineering Methodologies
- Music (Piano, Drums, Saxophone)
- Software Architecture
- Computer Science Research
- Indie Game Development

References

References upon request