





# 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

- Jan. 2015 – **Software Developer Intern**, *High Performance Computing and Networking - HPCN*.  
June 2015 ◦ Contributed to the implementation of an API to federate a testbed into the european project Fed4FIRE.
- Sept. 2014 – **Collaboration**, *High Performance Computing and Networking - HPCN*.  
May 2015 ◦ 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 – **Banking Analytics Intern**, *Knowledge Engineering Institute - IIC*.  
Sept. 2014 ◦ Developed several software tools.
- June 2012 – **Intern**, *Innovación en Sistemas de Monitorización - ISM*.  
July 2012 ◦ Contributed to Emoncms (emoncms.org), a powerful open-source web-app for processing, logging and visualising energy, temperature and other environmental data.  
July 2015 – and visualising energy, temperature and other environmental data.  
Aug. 2015 ◦ Implemented multilingual support and extra functionality.  
◦ Integrated a dashboard for photovoltaic self consumption.

### Other courses

- July 2015 – **Data Visualization**, *Coursera*,  
Aug. 2015 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).

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## Technical skills

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

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## 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

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## Interests and hobbies

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

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## References

**References upon request**