



# 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.

### Professional experience

- July 2015 – **Web Developer**, *Innovación en Sistemas de Monitorización - ISM*.  
Sept. 2015
- 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](http://emoncms.org)).
  - Designed and implemented an emoncms module for the visualization of photovoltaic self-consumption facilities.

### Internships

- Sept. 2014 – **High Performance Computing and Networking - HPCN**.  
June 2015
- 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](http://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.

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

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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

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

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## References

**References upon request**