





Juan Sidrach de Cardona Mora

Curriculum Vitae

 jsid.me
 contact@jsid.me
 github.com/jsidrach
 linkedin.com/in/jsidrach

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 – **Web Developer**, *Innovación en Sistemas de Monitorización - ISM*.
Sept. 2015
 - 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 for the emoncms platform (emoncms.org).
 - Designed and implemented an emoncms module for the visualization of photovoltaic self-consumption facilities.
- 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.
 - Implemented multilingual support.

Other courses

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

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