

PERSONAL INFORMATION

César Luis Alvargonzález



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Sex Male | Date of birth 18/06/1989 | Nationality Spanish

PREFERRED JOB

Software Engineer

WORK EXPERIENCE

20/01/2014–Present

Full Stack Engineer

ElasticBox
Plaza de Colón, 2, 28046 Madrid (Spain)
<https://elasticbox.com/>

Full Stack Engineer at ElasticBox, an application which helps developers and operations personnel to deploy and orchestrate the lifecycle of complex applications.

I contribute in all the stages of software development, including both frontend and backend using technologies such as Python, Javascript, RabbitMQ and MongoDB.

Business or sector Cloud Computing

01/02/2012–31/12/2013

Research Engineer, WESO R.G.

University of Oviedo
Calvo Sotelo, S/N, 33005 Oviedo (Spain)
<http://www.weso.es/>

Researcher in Web Semantics Oviedo Research Group (WESO RG). WESO is a multidisciplinary research group that belongs to the University of Oviedo. It is specialized in semantic web and linked data research.

Contributing in the research, design and implementation of projects using technologies such as Java, Scala, Play Framework, Hadoop and semantic technologies like RDS, SPARQL, Fuseki or Virtuoso.

Business or sector Education

17/07/2012–19/07/2013

Speaker

University of Oviedo
San Francisco, 33003 Oviedo (Spain)
<http://www.uniovi.es/en>

Speaker in *HTML5 y el futuro de la Web* course (*HTML5 and the future of the web*) at the University of Oviedo. Introductory speech about HTML5 APIs covering both theoretical and practical matters.

Course Codes:

- [2012-99-CV-135-1](#)
- [2011-99-CV-135-1](#)

Business or sector Education

21/11/2011–29/02/2012

Advanced Analytic Intelligence Cathedra (IA2) Intern

University of Oviedo
Calvo Sotelo, S/N, 33005 Oviedo (Spain)
http://www.catedraia2.com/index_english.html

Design, analysis, and development within the *1Night* project (Nightlife loyalty system). Using technologies such as PHP5, CakePHP, .Net, MySQL.

Business or sector Data Mining

15/09/2010–30/06/2011

IT services intern (University collaboration grant)

University of Oviedo
San Francisco, 33003 Oviedo (Spain)
<http://www.uniovi.es/en>

Computers maintenance and administration in the Faculty of Teacher Training and Education of the University of Oviedo.

Business or sector Education

EDUCATION AND TRAINING

13/09/2011–20/05/2013

Master in Web Engineering (Research Specialization)

Master

School of Computer Science at the University of Oviedo, Oviedo (Spain)

Main fields of study: Architectures and Web Site Design, Web Services, Persistent Object Systems, Usability, Accessibility and Adaptability of Web Sites, Software Development for Mobile Devices, Semantic Web, Address and Web Project Management.

09/10/2007–06/09/2011

Engineering degree in Computer Systems

Degree

School of Computer Science at the University of Oviedo
Calle de Valdés Salas, 33007 Oviedo (Spain)

Main fields of study: Computer structures and technology, Programming methodology and technology, Data and information structure, Operating systems, Networks, Statistics, Theory of automata and formal languages.

2012–2014

Independent Coursework: Coursera, edX

2014: Course "Principles of Reactive Programming", École Polytechnique Fédérale de Lausanne course through Coursera learning platform (With Distinction). 2013: Course "CS169.1x Software as a Service", Berkeley University through edX learning platform (With Distinction). 2012: Course "Algorithms: Design and Analysis, Part 2" Stanford University through Coursera learning platform (With Distinction). 2012: Course "Functional Programming Principles in Scala", École Polytechnique Fédérale de Lausanne course through Coursera learning platform (With Distinction).

2010–2011

Elective Courses

University of Oviedo, Oviedo (Spain)

Summer Courses at the University of Oviedo:

2011: Course "Databases in the professional world" (45 hours)

2010: Course "Cloud Computing and Web mining" (45 hours) 2010: Course "Latex document markup language" (45 hours)

06/12/2012–06/12/2012

First Certificate in English – FCE

Cambridge English Language Assessment, Cambridge (United Kingdom)

FCE certifies a Level B2 of the Common European Framework of Reference (CEFR) for Languages. License 11CES0720015

PERSONAL SKILLS

Mother tongue(s)

Spanish

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|------------------------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | C1 | C1 | C1 |
| First Certificate in English – FCE | | | | | |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Problem-solving and team spirit skills gained through both research and private-sector projects.

Job-related skills Strong analytical skills, knowledge of design patterns (GoF) and data structures. Experience with agile software developing processes such as TDD (test driven development), BDD (behaviour driven development) and Scrum.

Computer skills Proficient in Python 2 and Javascript. Past experience with Scala, Java and PHP5.
 Experience with the following frameworks:

- Python: Boto, Bottle, Tornado
- Javascript: AngularJS, Underscore, jQuery
- Scala: Play Framework 2.X
- Java: Struts2, Hibernate, Spring-IOC, Mahout, OpenNLP
- PHP5: Laravel 3.X, CakePHP 2.X

Experience with:

- DBMSs such as MongoDB and MySQL, message broker systems like RabbitMQ.
- Revision control systems (Git), IDEs (PyCharm, Eclipse), build tools (Maven, SBT), continuous integration systems (Jenkins, Travis-CI, Bamboo) and DevOps tools like ElasticBox.
- Markup languages such as XHTML, HTML5 and CSS3
- Advanced GNU/Linux administration skills. Past experience with MS Windows environments (XP / 7 / Server 2008 R2).
- Semantic technologies: RDF, SPARQL and OWL.
- Map reduce and Hadoop. Managing a cluster composed by sixteen heterogeneous nodes.

Driving licence B

ADDITIONAL INFORMATION

Projects **Open Software Projects:**

ACOTA (Automatic Collaborative Tagging) is a Java-based library for tag suggestion in a collaborative and automatic way. It works with technologies such as Natural Language Processing, Machine Learning, Queries to popular folksonomies, among others:

- <https://github.com/weso/acota-seed>
- <https://github.com/weso/acota-core>
- <https://github.com/weso/acota-feedback>
- <https://github.com/weso/acota-utils>
- <https://github.com/weso/acota-web>

Computex & Computex Validation Service: On the one hand, Computex (Computing Statistical Indexes) can be seen as an extension of RDF Data Cube vocabulary to handle statistical indexes. Every Computex data will also be RDF Data CubeData, although it can contain further declarations

specific for statistical indexes. On the other hand, Computex Validation Service is a web service (Built in Scala & Play Framework) which can validate both Computex and RDF Data Cube vocabularies.

- <https://github.com/weso/computex>
- <https://computex.herokuapp.com/>

Publications

Luis Alvargonzález César, Alvarez Rodríguez Jose María, Labra Gayo Jose Emilio, Luis Alvargonzález César, Alvarez Rodríguez Jose María, Labra Gayo Jose Emilio, *Towards a Multilingual - Domainless Automatic Collaborative Tagging Technique*, 8th South East European Doctoral Student Conference (DSC 2013)

Jimenez-Nácer, W., Luis-Alvargonzález, C., Abella-Vallina, P., Alvarez-Rodríguez, J. M., Labra-Gayo, J. E., & Ordoñez de Pablos, P. (2012). *Emergent Ontologies by collaborative tagging for Knowledge Management. Advancing Information Management through Semantic Web Concepts and Ontologies* (p. 16). IGI-Global.