

## PERSONAL INFORMATION

## Alejandro Montes García



 Avda Gijón N°15 2ºDcha, 33510 Pola de Siero (Spain)

 +34617121302

 [alejandro.montes@weso.es](mailto:alejandro.montes@weso.es)

 <http://alejandro-montes.appspot.com/>

Sex Male | Date of birth 12 November 1990 | Nationality Spanish

## PREFERRED JOB

## Researcher in computer science

## WORK EXPERIENCE

12 September 2011 – 21 May 2012

## IT services intern

Responsible for maintaining two computer labs of 20 computers each, performing configuration and repairment tasks. I was also responsible for maintaining and remodeling the website of the faculty where I worked.

21 May 2012

## Researcher

Web Semantics Oviedo (WESO)

<http://weso.es/>

Collaborator in some projects of the research group, programming and designing software, and carrying out research in the fields related with those projects.

## EDUCATION AND TRAINING

12 September 2011 – 20 June 2013

## Máster en ingeniería web

EQF level 7

Universidad de Oviedo, Oviedo (Spain)

The master thesis has been qualified with honours. This thesis consisted on the development of a hybrid news recommender, the application of tag recommendation techniques and NLP-based queries.

15 September 2008 – 22 July 2011

## Ingeniero Técnico en Informática de Sistemas

EQF level 6

Universidad de Oviedo, Oviedo (Spain)

I got an average mark of 88% and Honours in ten different subjects in this bachelor degree that covers:

- Computer structures and technology
- Programming methodology and technology
- Data and information structure
- Operating systems
- Networks
- Statistics
- Theory of automata and formal languages

02 January 2013 – 01 February 2013

## Computing for Data Analysis

Johns Hopkins, Baltimore, Maryland (United States)

Online course via Coursera (completed with distinction)

In this course students learn programming in R, reading data into R, creating data graphics, accessing and installing R packages, writing R functions, debugging, and organizing and commenting R code.

25 March 2013 – 30 May 2013

### Functional Programming Principles in Scala

École Polytechnique Fédérale de Lausanne, (Switzerland)

Online course via Coursera (completed with distinction)

In this course, students learn about functional programming, and how it can be effectively combined with object-oriented programming. They also gain practice in writing clean functional code, using the Scala programming language.

19 July 2010 – 23 July 2010

### Advances in engineering and surgery. CAD & CAOS

Universidad de Oviedo, Gijón (Spain)

Basic integration between engineering and surgery.

06 July 2009 – 03 August 2009

### Course in English Language

Centre of English Studies, Dublin (Éire/Ireland)

English language

B1

07 July 2008 – 01 August 2008

### English course

Scanbrit School of English, Bournemouth (United Kingdom)

English language

B2

## PERSONAL SKILLS

Mother tongue(s)

Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
First Certificate in English					
French	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- Desire to be in a multicultural environment
- Team spirit

Organisational / managerial skills

- Sense of organisation.
- Desire to learn from other people.

Job-related skills

I have used the following programming languages: Java, C#, Javascript, Python, Scala, C, C++, R, PHP, and Matlab. In Java I have worked with libraries or frameworks such as Spring, Struts2, Jena, Solr, Mahout...

I have used both SQL and NoSQL databases, as well as SPARQL.

Driving licence

B

## ADDITIONAL INFORMATION

Publications

Towards a Journalist-Based News Recommendation System: The Wesomender Approach, Expert Systems with Applications, (Accepted for publication on 20, June 2013)

- Honours and awards** Member of one of the winner teams at the Gijón First Open Data Festival with the project QueYeHo.  
Member of the winner team at the Gijón Second Open Data Festival with the project EcoXixón.
- Certifications** Programming in HTML5 with JavaScript and CSS3 (Microsoft 070-480) - 03/2013  
First Certificate in English (Cambridge ESOL) - 12/2012
- Projects** **The Web Index:** WESO, as partner of the World Wide Foundation, takes part in the Web Index project, assisting with the linked data and constructed the semantic web data endpoint for the Web Index as well as visualizations for these data.  
**EcoXixón:** Ecological events in Gijón, people compete to be the greenest, environmental data visualization, and more. Winning app of the Gijón second Open Data Festival.  
**QueYeHo** is an application that recommends nearby turistic places, pubs, museums, etc... by using hybrid algorithms and linked open data.  
**Freews** is a semantic web architecture for receiving, editing and distributing videos. Its aim is to provide a website where journalists can exchange videos to illustrate their news and recommend them new videos that might interest them.  
**Orbita** is a dynamic dataset visualization system in which the information could be represented in different ways and taking into account different user profiles.