Proposal for placement

Organisation/	University of Huelva Research Group of New Technologies in Accounting and Business Administration
Activity/	Academic research
Address	Facultad Empresariales (Business Faculty) Plaza de la Merced 11
City/	Huelva 21002
Country/	Spain
Number of students/	2
Duration in months/	From 3 to 12 months
Starting date/	
Closing date/	Rolling application
Task Description/	• Programming applications: data mining from Twitter, Facebook and other social networks • Arranging statistics and data • Preparing presentations
Other qualifications or comments/	• Team work • Communication skills • Intercultural skills

Computer science specific skills/	Skills	Level
	1. XML	good
	2. Java	good
	3. PHP	good
	4. Twitter API	good
	5. Google graphs API	good

Language skills/conocimintos de idiomas	Skills	Level
	1. English	good

Preferred field of training/	Computer Science/Computer Engineering
Monthly remuneration/	-
Contact person /Persona de contacto	**Francisco Flores Muñoz**
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Internet	http://www.uhu.es/english/index.htm (in English)

Annex

That person needs to **know/be able to learn during his/her stay in Huelva** the following standards related to the social media platforms:

- Facebook: this platform works in a multi-language environment, for programming and also for data representation. As they declare, "Facebook is built in PHP, C++, Perl, Python, Erlang, Java, and even a little bit of ML—and it all works together". When users decide to create a Facebook application, they can choose IFrames, that allow a visual HTML Browser window to be split into segments, each of which can show a different document, or they can use FBML (Facebook Markup Language), which is an evolved subset of HTML with some elements removed, and others which have been added that are only specific to Facebook. Additionally, they use Thrift as a software framework to build services that work efficiently and seamlessly between C++, Java, Python, PHP, and Ruby. Thrift was developed at Facebook and released as open source. Another components are: XFBML, an extension to FBML, which lets you incorporate FBML into Facebook Connect implementations and IFrame applications, FQL (Facebook Query Language) which lets you quickly and easily query for Facebook user data, and FBJS, which is a Facebook's method for letting developers incorporate JavaScript into their FBML applications.

- MySpace: to create a MySpace application, MySpace offers Open Social, based on HTML and JavaScript, and developed jointly with Google and other less relevant social networks.

- Twitter: in April 2009 Twitter announced they had switched large portions of their backend to the Scala programming language. Thousands of developers have taken advantage of Twitter's open API to make more than 50,000 applications that run on all types of devices and Web services. In fact, the community has created API libraries for the following programming languages: ActionScript/Flash, C++, C#/.NET, Coldfusion, Eiffel, Erlang, Java, JavaScript, Objective-C/Cocoa, Perl, PHP, PL/SQL, Python, Ruby, Scala, T-SQL and VB.NET.

- Flickr: Its functionalities include RSS and Atom feeds and an API that enables independent programmers to expand its services. The core functionality of the site relies on standard HTML and HTTP features, allowing for wide compatibility among platforms and browsers. It also uses AJAX, with which most modern browsers are compliant, and most of Flickr's other text-editing and tagging interfaces also possess AJAX functionality.

- LinkedIn: it also participates in the Open Social experience.

- Windows Live Spaces: they support a number of RSS feeds for publicly shared user content.

- Blogger: they offer protocols for Java and .Net.

- WordPress: is an open source blog publishing application powered by PHP and MySQL. The PHP and HTML code in themes can also be edited for more advanced customizations.