Alberto Aguilera Juárez

Date of birth: April 8th, 1988
Place of birth: Barcelona, Spain
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Education

- **Introduction to Project Management**
  City University of London   *2013*

- **Bachelor of Engineering in Computer Science**
  University of Granada   *2009 – 2012*

- **Introduction to Artificial Intelligence**   Online Course
  Stanford University   *2012*

- **Introduction to Robotics**
  University of Jaén   *03/2006*

Professional experience

- **YouView TV Limited**
  Software Engineer   *10/2012 - current*
    My role includes, among other duties:
    - Development of a webpage to distribute tests, in Python (Flask), HTML/CSS and jQuery (with a small flavor of Backbone).
    - Development of python tools and libraries to support the test automation
    - Tests development

- **Ábaco Andaluza de Arte y Artesanía S.L.**
  Webmaster   *11/2011 - 03/2012*
    - I carried out an internship in this enterprise as the webmaster of libreriababilonia.com (developed with django) and abacoarte.com (developed in PHP, using Prestashop).

- **Campus Party**   **Valencia, España**
  Dinamizador   *07/2007*

- **Andalucía Compromiso Digital (Cruz Roja)**   **Jaén, España**
  Volunteer   *11/2008–10/2009*
    - Volunteers in ACD are to bring people near new technologies. Their main purpose is to let everyone use any technological device, regardless their age, ethnicity or special conditions.

Skills

- **Python:** Advanced
- **Git:** Advanced
- **Linux:** Advanced
- **Bash:** Advanced
- **Javascript:** Intermediate
- **HTML/CSS:** Intermediate
- **ANSI C:** Intermediate

- **C++:** Intermediate
- **MySQL:** Intermediate

Test development: I have experience in automating tests, by using Jenkins as a CI tool, writing libraries and tools to test the UI of set-top-boxes, as well as identifying issues at lower levels by analysig logs i.e. (dbus, serial), reporting and keeping track of them by use of Jira.

Desktop development: I have used Java several times, as well as C++ with Qt, and python with pyGtk.

Web development: I have written webpages using Flask (python), HTML/CSS and jQuery.

Operating Systems: I'm a casual user of Windows, and a daily user of Linux. I am used to dealing with all sorts of problems by using the Linux shell and all the low level tools provided by the operating system.

Projects

- **NetControl**   **2013 (not finished)**
  Link: https://github.com/drimer/NetControl
  Description: NetControl is intended to be a software that allows you to control all the data that flows from every terminal in your LAN network to the outside. The mechanism only consists of attempting man-in-the-middle attacks and filtering the data packets flowing through the computer by using iptables.
  Technologies used: Linux, Python, Bash, iptables and Qt4.

Languages

- **Spanish:** Native

- **Catalan:** Native

- **English:** Certificate of Advanced English (Cambridge ESOL)

Interests

I like to try and contribute to other people's projects, even if it's only by reviewing code and giving my opinion on how it could be improved. I love to start new projects and see how these slowly grow. Sometimes, I also like to provide some of the code I write to the public, so I have my own space in GitHub, where I can do so: https://github.com/drimer

Because there are so many ways of doing one same thing, I like to keep learning about new technologies and improve my knowledge even if it's only by knowing that 'something' exists but I don't event know how it works. I like to think that learning is the best way of doing future jobs more efficiently.

Availability

I have driving license and to a certain extent, moving around within the city and its sorroundings would be no problem for me.