Adrian Garcia Garcia

Curriculum vitae

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Education

2016–Now	**Master's Degree in Computer Science Engineering**, *Complutense University of Madrid*, *Current average: 9,12.* Academic Report.
2011–2016	**Bachelor's Degree in Computer Science Engineering**, *Complutense University of Madrid*, *Average: 7,82 over 10.* Academic Report.

Employment history

Feb.-Jun. (2017)	**System Administrator**, *Department of Compuer Architecture and Automatics*, Madrid. Administrated multiple Linux systems and maintained the physical and virtualized infraestructure (kvm).
Nov. 2016	**Seven months in a colaboration fellowship with university departments**, *Department of Computer Architecture and Automatics*, Madrid. Studied and developed a Linux kernel scheduler aware of the effects of shared-resource contention in asymmetric multicore systems. Awarded by the Spanish Ministry of Education, Culture and Sport.
Sept. 2016	**Developed and deployed a custom Wordpress installation for a Spanish political party (link)**.
Apr.-Aug. (2016)	**Internship in Software Developement**, *SATEC*, Madrid. Developed web applications in C# (.NET MVC), Razor and jQuery UI. Specifically, I contributed to build a web application for the government car management system.

Achievements

June, 2016	**Graduated with special mention in the Final Project**, *Complutense University of Madrid*. ○ **Title**: Operating system support for improving energy efficiency in asymmetric multicore systems. ○ **Director**: Juan Carlos Sáez Alcaide. ○ **Department of Computer architecture and automatic**.
2011–2016	**Subjects passed with honors on the Bachelor's Degree in Computer Science Engineering**, *Complutense University of Madrid*. ○ Operating Systems ○ Advanced Operating Systems and Networks ○ Computer Architecture ○ Linux and Android Internals ○ Computer Networks Security ○ Mobile and multicore parallel programming ○ Databases ○ Evaluation of Computer Systems

Additional information

12-30-1993	**Spanish**, *Native*.

Sept. 2016	**English**, *Level: C1*.
	○ Cambridge certificates:
	  - First Certificate in English (FCE), Madrid, April 2012.
	  - Certificate in Advanced English (CAE), Madrid, September 2016.
	○ English courses with native teachers in Dicken's academy (Madrid, 2011 and 2015).
	○ Stayed one month with a foster family in Athenry (Ireland) while I studied an intensive english course (August 2010): Certificate.

Nov. 2016 **Course in Big Data: analysis with python**, *Complutense University of Madrid*.
Continious formation course of the UCM that teached to gather data from web pages, Twitter and different file formats (csv, xls, txt, etc.) in order to parse them and work with them using python libraries: numpy, matplotlib and pandas. Certificate.

Other skills

Technologies:.
- **Python**
  - Pandas
  - Numpy
  - Matplotlib
  - Telegram API
- **C**
  - Linux kernel modules
  - OpenMPI
- **C++**
  - OpenMP
  - OpenGL
- **C#**
  - ASP.NET MVC
  - Razor
  - jQuery UI
- **Java**
  - Hibernate
  - JSP
  - Maven

- **Databases**
  - SQL
  - MongoDB
  - Neo4J
  - XML

- **Big Data**
  - Map Reduce
  - Spark
- **PHP**
- **JavaScript** (jQuery)
- **CSS** (Boostrap)
- **Bash**

Projects:.
- **Android app.** (TheFridge)

- **Embedded systems.** Double authentication system with RFID and password using 2 Arduino Uno boards and a Raspberry Pi 2 (repository).

- **Machine Learning** (python implementations):
  - ID3 classification trees.
  - Complete Index (Data compression using variable-bytes, elias-gamma or elias-delta).
  - Vectorial Index.
  - Naive Bayes.

- **LaTeX for Scientific papers and reports** (Final Project or this CV)

- **Version control software** (GitHub profile)

References

Manuel Prieto Matías, *Associate Professor at Complutense Univerity of Madrid*, mpmatias@ucm.es, Research group website (ArTeCs).

Juan Carlos Sáez Alcaide, *Associate Professor at Complutense Univerity of Madrid*, jcsaezal@ucm.es, Research group website (ArTeCs).