

# GUILLERMO JULIÁN MORENO

## PERSONAL INFORMATION

*email* [gjulianm@outlook.com](mailto:gjulianm@outlook.com)  
*other links* [Github](#) — [LinkedIn](#) — [Stack Overflow](#)

## DESCRIPTION

I'm always willing to learn new things, open to new approaches and ideas. I have a deep interest in research, tackling problems that require more than just a little bit of thought and development and discovering new knowledge and possibilities. Programming-wise, I enjoy both low-level languages that leverage full control of the computer and allow me to tweak and get every last drop of performance, and high-level languages that allow me to abstract and devise complex architectures.

## WORK EXPERIENCE

*March 2015* Intern  
*Present* NAUDIT HPCN

Naudit HPCN is the spin-off of the HPCN-UAM research group. I continued there with my work on parallel numeric algorithms and Linux capture driver development, and also did network analysis for clients.

*December 2013* Intern  
*March 2015* HIGH PERFORMANCE COMPUTING AND NETWORKING - UAM

HPCN-UAM is a research group in the Universidad Autónoma de Madrid (UAM), where I familiarized myself with high performance networking and computing. I worked on network dependency analysis, Linux driver development for traffic capture, numeric algorithms optimizations with OpenCL and network protocol reverse engineering and analysis.

*January 2012* Freelance developer  
*October 2015*

During my studies at university, I also worked as a freelancer in various projects:

**WINDOWS PHONE DEVELOPMENT** Designed and developed from scratch [Ocell](#) (as a side project), [Clases de Apoyo](#) and Emergencias 066, an application for emergency assistance in Mexico. Assisted [Softwhisper](#) in the development of a Windows Phone application.

**EGARANTE** Designed and created the [Firefox addon](#) for [eGarante](#). This addon allows users to digitally sign and timestamp any web page, including private ones (e.g. Twitter, Facebook). Developed a Python service to automatically sign user's conversations on social networks.

**OTHER WORK** Specialized in C# and networking in C/C++, I helped in the refactor and correction of existing projects and developed analyzers and dissectors for network traces, including parsers in restricted environments (e.g. OpenWRT routers).

*January 2010* Writer, WEBLOGS SL  
*October 2015*

During five years, I wrote about insights, news and analysis about web, software and technology in Genbeta and Xataka, two of the most visited spanish publications in their category.  
[Author page at Genbeta, Xataka](#)

*October 2012* Coordinator at Xataka Windows, WEBLOGS SL  
*November 2014*

Since its very beginning, I've been writer and coordinator at Xataka Windows, the Microsoft specialized spin-off of Xataka. I was responsible for the management of the publication's editorial team and for its contents.

## EDUCATION

2011 - 2016                      Double degree in Mathematics and Computer Engineering  
(Expected)                      UNIVERSIDAD AUTÓNOMA DE MADRID

Apart from the classes in Mathematics, Computer Science and Computer Engineering, I took advanced courses on advanced real analysis, functional analysis, image processing, algorithm design and neurocomputing.

2009 - 2011                      International Baccalaureate  
LOE (spanish) Baccalaureate  
INSTITUTO RAMIRO DE MAEZTU, MADRID

## PUBLICATIONS

(In review) G. Julián-Moreno et al., Fast parallel  $\alpha$ -stable distribution function evaluation and parameter estimation using OpenCL in GPGPU, Parallel Computing.

(In progress) G. Julián-Moreno, End-of-degree project: Monitorization, capture and intelligent storage of network traffic at 40Gbps.

## PROGRAMMING SKILLS

*Languages - Advanced knowledge*  
C#, C, C++, Java, Python, L<sup>A</sup>T<sub>E</sub>X, Awk.

*Languages - Medium knowledge*  
Ruby, Haskell, Matlab, Mathematica, Bash, Common Lisp, Javascript, HTML, CSS.

*Frameworks and enviroments I've developed for*  
Angular.js, Azure, Firefox's Addon SDK, Glassfish, jQuery, Linux kernel, OpenCL, OpenWRT, Rails, Sage (mathematical), Windows Phone, Windows.

*Technologies and software used*  
Sublime Text, Vim, Zsh, Visual Studio, Git, Github, TFS, Eclipse, Linux, OS X, Windows, Windows Phone, Android.

## OTHER INFORMATION

*Languages*  
SPANISH · Mother tongue  
ENGLISH · Advanced (conversationally fluent). TOEFL iBT: 107 / 120  
FRENCH · Basic (simple words and phrases only)  
CATALAN · Basic (only spoken)

November 16, 2015