

GUILLERMO JULIÁN MORENO

PERSONAL INFORMATION

email 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. Additionally, I analyzed and checked the health .

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.

[Author page at Xataka Windows](#)

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 α -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^AT_EX, Awk.

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

Frameworks and environments 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 · Mothertongue
ENGLISH · Advanced (conversationally fluent)
FRENCH · Basic (simple words and phrases only)
CATALAN · Basic (only spoken)

November 5, 2015