

GUILLERMO JULIÁN MORENO

PERSONAL DATA

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other links [Github](#) — [LinkedIn](#)

WORK EXPERIENCE

March 2015 Present	Developer, 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 started working in automated network analysis tools.
December 2013 March 2015	Intern, 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 October 2015	C#, C, C++ developer, FREELANCE During my studies at university, I also worked as a freelancer in several projects, mostly related to Windows Phone development, C# and networking in C/C++ — including dissectors and analyzers in OpenWRT routers. I designed and developed Windows Phone applications and assisted in the development and refactor of others projects, and I also collaborated with eGarante in the design of a Firefox addon and a Python service to automatically sign user's conversations on social networks.
January 2010 October 2015	Writer, WEBLOGS SL 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.
October 2012 November 2014	Coordinator, WEBLOGS SL I have 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 during its first two years.

EDUCATION

2016 -	MSc, Computational Science École Polytechnique Fédérale de Lausanne
2011 - 2016	Double degree, Mathematics and Computer Engineering Universidad Autónoma de Madrid THESIS: "Monitorization, capture and intelligent storage of network traffic at 40Gbps" Extra courses: Functional analysis, algebraic geometry, algorithm design, neurocomputing, image processing.
2009 - 2011	International Baccalaureate Instituto Ramiro de Maeztu, Madrid

PUBLICATIONS

- [1] *Fast parallel α -stable distribution function evaluation and parameter estimation using OpenCL in GPG-PUs*. Guillermo Julián Moreno, Jorge E. López de Vergara, Iván González, Luis de Pedro, Javier Royuela del Val, and Federico Simmross Wattenberg. *Statistics and Computing*, 2016. URL <http://dx.doi.org/10.1007/s11222-016-9691-9>. Preprint: [PDF](#).
- [2] *Monitoring, capture and intelligent storage of network traffic at 40 Gbps*. Guillermo Julián Moreno, May 2016. End of degree project. Graded 10/10.

PROGRAMMING SKILLS

Languages - Advanced knowledge

C, C++, C#, Python, L^AT_EX, Matlab, Awk.

Languages - Medium knowledge

Java, Haskell, Bash, Javascript, HTML, CSS.

Frameworks and enviroments I've developed for

Angular.js, Azure, Firefox's Addon SDK, Glassfish, jQuery, Linux kernel, OpenCL, GSL, 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.

LANGUAGES

SPANISH · Mothertongue

ENGLISH · Advanced (conversationally fluent)

FRENCH · Basic (simple words and phrases only)

CATALAN · Basic (only spoken)

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