

# GUILLERMO JULIÁN MORENO

## PERSONAL DATA

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phone (00 41) 076 338 50 67  
address Chemin de la Colline 20, Crissier, Switzerland  
birth Madrid, 4 April 1993  
other links [Github](#) — [LinkedIn](#)

## WORK EXPERIENCE

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*March 2015* | **Developer, NAUDIT HPCN**  
*July 2016*  
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* | **Intern, HIGH PERFORMANCE COMPUTING AND NETWORKING - UAM**  
*March 2015*  
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* | **Python, C#, C, C++ developer, FREELANCE**  
*Present*  
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* | **Writer and Team coordinator, 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. I was also responsible for the management of the [Xataka Windows](#)'s editorial team and for its contents during its first two years.

## EDUCATION

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*2016 -* | **MSc, Computational Science**  
**École Polytechnique Fédérale de Lausanne**

*2011 - 2016* | **Double degree, Mathematics and Computer Engineering**  
**Universidad Autónoma de Madrid**  
GRADE: 8,16/10  
THESIS: Monitorization, capture and intelligent storage of network traffic at 40Gbps (grade: 10/10)  
Extra courses: Functional analysis, algebraic geometry, algorithm design, neurocomputing, image processing.

*2009 - 2011* | **International Baccalaureate**  
**Instituto Ramiro de Maeztu, Madrid**

## PUBLICATIONS

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- [1] *Fast parallel  $\alpha$ -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>.
- [2] *Monitoring, capture and intelligent storage of network traffic at 40 Gbps*. Guillermo Julián Moreno, May 2016. URL <https://repositorio.uam.es/handle/10486/675469>. End of degree project.

## PROGRAMMING SKILLS

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### *Languages - Advanced knowledge*

C, C++, C#, Python, L<sup>A</sup>T<sub>E</sub>X, 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, Paraview, 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

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SPANISH · Mothertongue

ENGLISH · Advanced (conversationally fluent) - TOEFL 105/120

FRENCH · Medium - advanced

CATALAN · Medium (only spoken)

January 22, 2017