Full-Resume

Mariano RODRÍGUEZ GUERRA

Citizenship	Cuban, French (in progress)
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Formation

2016 -	*PhD in Applied Mathematics* ENS Paris-Saclay (ENS Cachan)	
2015 - 2016	*Master 2 «Mathématiques, Vision, Apprentissage»* ENS Paris-Saclay (ENS Cachan)	Highest Honors
2014 - 2015	*Master 1 «Mathématiques et Modélisation»* University Paris Descartes	Highest Honors
2011 - 2014	*Diplôme d'Apprentissage du Français* French Alliance of Cuba	DELF B1
2007 - 2011	*Undergraduate Studies in Mathematics* University of Havana	Highest Honors
2002 - 2006	*Full-time student* Polytechnical Institute of Informatics "Osvaldo Herrera González"	Highest Honors

Prizes and Awards

2016	Laureate of the Doctoral Program proposed by the "Fondation Mathématique Jacques Hadamard" (FMJH)	Three-year fellowship.
2014	Laureate of the Paris Graduate School of Mathematics (PGSM)	Two-year scholarship.
2011	Top student in the Faculty of Mathematics and Computer Science	Awarded by the vice-chancellor of the University of Havana.
2011	"Roberto Peña" Prize	Awarded by the Cuban Society of Mathematics and Computer Science for "Anisotropic diffusion applied to edge detection in images".
2011	Best paper in Applied Mathematics	Both prizes on behalf of the Students Scientific Conference for "Anisotropic diffusion applied to edge detection in images".
2011	Best written paper in Applied Mathematics	
2011	Teaching award	Granted by the Faculty of Mathematics and Computer Science for teaching practical lessons.

Professional Experience

System administration Linux/UNIX (Nov 2017 – Nowadays) in the framework of the project Image Processing Online (http://www.ipol.im/) developed by the CMLA of the ENS Paris-Saclay. Acquired skills :

- Server administration.
- Service administration: Apache, Nginx, Mailman, etc.
- Backup systems.

Preparation of students for the "agrégation" contest in Mathematics at then ENS Paris-Saclay (May 2017).

Seminar organizer « Panorama de la Recherche » for undergraduate students at the ENS Paris-Saclay (2016-2017, 2017-2018)

Researcher in Applied Mathematics at the CMLA of the ENS Paris-Saclay in the framework of a PhD (Oct 2016 – Oct 2019) under the direction of Jean-Michel Morel and Julie Delon. Acquired skills:

- Project management.

- Development of strategies for complex problems.
- Algorithm developer.

Researcher Assistant at the CMLA of the ENS Paris-Saclay in the framework of an internship (Avril 2016 - Sept 2016).

Publications

An updated list of publications is available at:

https://rdguez-mariano.github.io/publications

Teaching activities at the ENS Paris-Saclay (ENS Cachan)

| Sep. 2017 - Jan. 2018 | ANALYSE DE FOURIER ET HILBERTIENNE | Mathematics ENS Paris-Saclay |
| Sep. 2016 - Jan. 2017 | CALCUL DIFFÉRENTIEL | Mathematics ENS Paris-Saclay |

Scientific actions from France:

- Teaching Assistant (15h) for the course « Fourier Transform & Image Analysis » with the Professor Edoardo Provenzi (University Paris Descartes). From 9 to 20 January 2017.

Teaching Instructor at the University of Havana

Feb. 2014 - July 2014	MATEMATICAS II	Pharmacy Faculty of Pharmacy
Sep. 2013 - Feb. 2014	MATEMATICAS III	Biology Faculty of Biology
Feb. 2013 - July 2013	EDP ANALISIS COMPLEJO	Mathematics Faculty of Mathematics and Computer Science
Sep. 2012 - Feb. 2013	MATEMATICAS I	Pharmacy Faculty of Pharmacy
Feb. 2012 - July 2012	ANALISIS COMPLEJO	Mathematics Faculty of Mathematics and Computer Science
Sep. 2011 - Feb. 2012	MATEMATICAS I	Pharmacy Faculty of Pharmacy

Teaching student at the University of Havana

Feb. 2011 - July 2011	EDO	Computer Science Faculty of Mathematics and Computer Science
Sep. 2010 - Feb. 2011	EDO	Mathematics Faculty of Mathematics and Computer Science
Feb. 2010 - July 2010	EDO	Computer Science Faculty of Mathematics and Computer Science
Sep. 2009 - Feb. 2010	ALGEBRA I	Computer Science Faculty of Mathematics and Computer Science
Feb. 2009 - July 2009	MATEMATICAS II	*Microbiology* Faculty of Biology

Tutor of undergraduate thesis

- "Esteganografía basada en el estándar JPEG"; Néstor Longa Hernández, University of Havana, July 2013.

Languages

- Spanish (Native)
- English (Fluent)
- French (Fluent)

IT

- Linux/UNIX
- C & C++
- Python
- MATLAB
- HTML & PHP
- Scilab & Octave

Memberships

- Cuban Society of Mathematics and Computer Science.