Riccardo MILANI RESUME

Italian, French · 15/01/1991 · Paris · ricc.milani@gmail.com · +33 7 83 93 34 47 · in/in/milanir · Q/RiMillo

PhD, Mathematical Engineer

>>> Education		
since 2021	Postdoctoral researcher	CEREA - École des Ponts ParisTech
	 Sciences²⁰²⁴ - the physics of sports Archery: Simulation of arrow flight in r 	real-life conditions
2017 - 2020	PhD Student in Applied Mathematics	École des Ponts ParisTech, INRIA, EDF R&D
	 Compatible Discrete Operator schemes for the unsteady incompressible Navier-Stokes equations Advisors: Ern Alexandre (ENPC, INRIA) and Bonelle Jérôme (EDF R&D) 	
2015 2017		
2015 - 2017	MSc in Mathematical Engineering	Politecnico di Milano
	Laurea Magistrale in Mathematical En Computer SciencesScore: 110 and honors/110	gineering, specialization: Applied Mathematics &
2013 - 2017	Cycle of <i>Polytechnicien</i> Engineer	École polytechnique
	Education cycle equivalent to BSc anSpecialization: Applied Mathematics -	
2010 - 2015	BSc in Mathematical Engineering	Politecnico di Milano
	 Laurea Triennale in Mathematical Engineering. Score: 110 and honors/110 Awarded "Best freshman" (2010) after the results of the entry test and first semester exams 	
>>> Experience	е	
09/'16-02/'17	Research Internship, 6 months	EDF R&D, Chatou
	 Development and numerical analysis of a 3D HHO method for anisotropic diffusion Integration within the industrial code <i>Code_Saturne</i> (C); parallelization by OpenMP 	
03-08/2015	Research Internship, 5 months	US ESI R&D, San Diego
	 First steps into the development of a new method for a fast computation of the vibro-acoustic response of a system Validations against software simulations 	
>>> Programming skills		>>> Languages
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▶ Good knowledge: C/C++, OpenMP, MPI, LATEX,
 Unix systems, MATLAB, Git/SVN, Code_Saturne, Office
 ▶ Basic knowledge: Python, shell scripting, Fortran,

FreeFem++, SALOME, Java, R

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>>> Extracurricular activities

- ▶ Head of a 40-student dormitory ('15)
- General-treasurer of AIM ('16)
- ▶ PhD-students representative for EDF-MFEE ('18-'20)
- ▶ Running (Paris marathon '19)

▶ Italian: Native

English: Fluent, FCE certificate, B2
 French: Fluent, TCF certificate, C1
 Russian: Conversational level

>>> Volunteering and other Interests

- > Summer work camps (Kenya '10, '11; Rwanda '17')
- ▶ Active member of Smileland, which backs an orphans village in Congo
- Italian classes for refugees ('15)