

Civil status



French
19/07/1998

Mathieu ROGET

Adress

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Degrees

Scientific Bac
Licence in Mathematics
Master in Computer Science

Programming langages

Python ★★★★★
C++/C ★★★★★
Rust ★★★★★
Java ★★★★★
OCaml ★★★★★
Mathematica ★★★★★
R ★★★★★

Interests

Quantum Computing
Machine Learning
Games Theory
Distributed computing
Optimization

Studies

2019-2021	Master in Computer Science	ENS Lyon, Lyon (69), France
2018-2019	L3 in Mathematics	University Lyon 1, Lyon (69), France
2018-2019	L3 in Computer Science	ENS Lyon, Lyon (69), France
2016-2018	Preparatory classes MPSI-MP*	Claude Fauriel, Saint-Étienne (42), France
2013-2016	Scientific High-School	J.-M. Carriat, Bourg-en-Bresse (01), France

Internships

06/2019	Internship L3	Aix-Marseille University, 13009 Marseille, France
	Study of discrete time quantum walker (6 weeks).	
04/2020	Internship M1	Sorbonne University, 75005 Paris, France
	Scores aggregation for the prevision of temporal series (3 months).	
02/2021	Internship M2	Aix-Marseille University, 13009 Marseille, France
	Quantum perceptron algorithm with noise (5 months).	
09/2021	Internship PLR1	Aix-Marseille University, 13009 Marseille, France
	Quantum walk based search with several marked elements (3 months).	
02/2022	Internship PLR2	IST, Lisbon, Portugal
	Distributed quantum computation (6 months).	

Articles

2022	Spatial search with multiple marked vertices is optimal for almost all queries and its quantum advantage is not always guaranteed	preprint
	Mathieu Roget, Hachem Kadri, Giuseppe Di Molfetta	
2021	Quantum Perceptron Revisited: Computational-Statistical Tradeoffs	preprint
	Mathieu Roget, Giuseppe Di Molfetta, Hachem Kadri	
2020	Quantum control using quantum memory	Nature Publishing Group
	Mathieu Roget, Basile Herzog, Giuseppe Di Molfetta	
2019	Grover search as a naturally occurring phenomenon	Physical Review Letters
	Mathieu Roget, Stéphane Guillet, Pablo Arrighi, Giuseppe Di Molfetta	