

Civil status



French
19/07/1998

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Contact

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Degrees

Scientific Bac
Licence in Mathematics
Master in Computer Science

Programming languages

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

Interests

Quantum Computing
Machine Learning
Games Theory
Distributed computing
Optimization

Mathieu ROGET

Studies

2022-2025	PhD	Université Aix-Marseille/LIS, Marseille (13), France
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	Optimality conditions for spatial search with multiple marked vertices	Physical Review Research Mathieu Roget, Hachem Kadri, Giuseppe Di Molfetta
2021	Quantum Perceptron Revisited: Computational-Statistical Tradeoffs	Uncertainty in Artificial Intelligence 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

