Algorithm selection and configuration for Noisy Intermediate Scale Quantum methods for industrial applications

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About the author

Charles Moussa was born in Saint-Claude, Guadeloupe on the 30th of August, 1993, and grew up in the village of Trois-Rivieres. He studied Mathematical Enginnering at the National Institute of Applied Sciences (INSA) of Rouen. Interested in new technologies, he enrolled in an 18-month exchange contract with TotalEnergies and investigated quantum computing and the potential industrial applications at OakRidge National Laboratory, Tennessee. He started his Ph.D. in June 2019 on investigating further quantum algorithms towards industrial applications in the Quantum Computing and Natural Computing groups at LIACS, under the supervision of Dr. Vedran Dunjko and Prof.dr. Thomas Bäck. During his Ph.D., he also got enrolled at the Quantum Computing Summer School organized by the quantum group at Los Alamos National Laboratory, New Mexico, for a period of 10 weeks. His research interests lie in algorithms, machine learning, and quantum computing.