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Quantum machine learning: on the design, trainability and noise-robustness of near-term algorithms

Skolik, A.

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About the author

Andrea Skolik received a Bachelors degree in Computer Science at the Hochschule der Medien in Stuttgart in 2011, and her Masters degree in Computer Science at Ulm University in Germany in 2015, with a focus on machine learning and robotics. In between and after graduating, Andrea worked as a Software Engineer in various areas such as logistics and finance, before joining the quantum computing team at Volkswagen in 2018 to pursue reasearch in this field. She started her studies as a PhD student at Leiden University in 2020 under the supervision of Vedran Dunjko and Thomas Bäck, with a focus on the question of how quantum computers can be used in conjunction with machine learning. Since 2022, Andrea is a full-time quantum computing researcher at Volkswagen, where she continues to work at the intersection of quantum computing and machine learning.