Applications of quantum annealing in combinatorial optimization

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Citation

About the Author

Sheir Yarkoni was born 1990 in Tampa, FL, USA. He received his Bachelors in Physics and Computer Science (2012) and Masters in Physics (2014) at McGill University in Montréal, Canada. After graduating, Sheir started working at the quantum computing company D-Wave Systems in Vancouver, Canada. In September 2017 he joined Leiden Institute of Advanced Computer Science (LIACS) as an external PhD student under the supervision of Prof. Thomas Bäck and Prof. Aske Plaat. His research focused on designing and improving algorithms that could solve optimization problems using existing quantum processors. In November 2018, Sheir joined the Volkswagen Data:Lab in Munich, Germany, to focus on industrial applications of his research in the field of hybrid quantum-classical algorithms and optimization. Other areas of interest include benchmarking and characterization of quantum computers, as well as quantum machine learning.