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QUANTUM INFORMATION THEORISTS

D-Wave is seeking Quantum Information Theorists. The Quantum Information Theorists will be responsible for solving algorithmic problems arising in the operation of the world's most advanced superconducting quantum computer processors.

These positions require demonstrated aptitude in the creation and analysis of quantum computing algorithms. Experience with adiabatic quantum computation, condensed matter physics and open quantum systems is preferred but not required.

The successful candidates will work closely with the Testing & Analysis and Theory groups on design and modeling of experiments, analysis of data obtained from operation of quantum computing systems, and design and implementation of new quantum algorithms. The position requires that the Quantum Information Theorists solve difficult problems in a high pressure, time-sensitive environment.

Required Qualifications:

- Ph.D. in physics, computer science or equivalent
- Demonstrated aptitude in the creation and analysis of quantum computing algorithms
- Highly motivated to design algorithms for practical quantum computing systems
- Creative, energetic, self-motivated individual who can work effectively as part of an interdisciplinary team
- Able to work in a high pressure, time-sensitive environment on a wide variety of problems

Desired Qualifications:

- Excellent communication skills
- Experience working with superconducting circuits and/or adiabatic quantum computation

Interested applicants should send a resume including references to gtheory2008@dwavesys.com.