



D-Wave Systems Inc. 100-4401 Still Creek Drive
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SOFTWARE DEVELOPER

D-Wave Systems is seeking an experienced software developer to join the Hardware Development & Engineering group. Reporting to the Director of R&D, the successful candidate will be responsible for architecting, designing, programming, testing and maintaining the entire suite of software programs necessary to support the testing and operation of D-Wave's quantum computing hardware. The software is an integral part of the quantum computing system and is used for a variety of purposes including calibration, operation, testing and benchmarking.

D-Wave is an innovative, dynamic, and multidisciplinary start-up environment, focused on bringing quantum computers to market. The successful candidate will be expected to work closely with the physicists and engineers in the Hardware Development & Engineering group, and to interact with application developers in the Applications group. This is an ideal position for an energetic software developer who is looking for a start-up environment; working with innovative entrepreneurs, engineers and scientists to bring the new paradigm of computing to market.

Required Qualifications:

- Bachelors/Masters Degree in Computer Science, or equivalent education and experience
- Professional software development experience including
 - Software design
 - Code and Test
 - Maintenance
- Experience programming in COMMON LISP or a related language
- Experience developing and maintaining software within Linux or similar environment
- Experience using CVS or similar revision control system
- Able to develop and manage effective APIs in the face of changing/open-ended software and hardware requirements
- Able to work quickly and with enthusiasm as a member of a development team consisting of physicists and engineers

Desired Qualifications:

- Experience programming device drivers and interfacing to electronics
- Experience with C and MATLAB an asset

Interested applicants should send a resume including references to
HWSD2007@dwavesys.com