2019 Internships in Data Science

**Location:** Schlumberger Doll Research (SDR), Cambridge, MA, USA

The Applied Math and Data Analytics Department at Schlumberger Doll Research (SDR) is investigating the development and application of state of the art *data science methods to multi-physics measurement data pertaining to complex problems* in the exploration and field development planning phases of oilfields. The sensory data pertaining to the earth subsurface are acquired via multiple means relying on electromagnetics (optical, NMR, low-frequency EM, resistivity), acoustics (ultrasonic, sonic, seismic), and pressure.

**Internship Description & Responsibilities**

The intern will work with a senior scientist or within a team of scientists and domain experts to develop and implement new applications of machine/deep learning and/or interpretation frameworks such as probabilistic graphical modeling, leveraging extensive data bases and cloud computing infrastructure available locally and throughout Schlumberger.

The successful intern has a reasonably good background in data science and associated domains such as signal processing, probability and statistics, machine learning, reasoning and inference frameworks. Familiarity with machine learning platforms such as TensorFlow, PyTorch, etc, is preferred.

**Qualifications**

- Advanced undergraduate or graduate (MS/PhD) student in CS, AI, EE, ME, CE, physics, or related fields with courses, and preferably thesis work, related to the subject domain.

**About Schlumberger-Doll Research**

Schlumberger-Doll Research (SDR) is the prime corporate research center for Schlumberger, the world’s leading supplier of technology, integrated project management and information solutions to customers working in the oil and gas industry worldwide. SDR hosts more than 110 scientists working in various fields including geophysical measurements, geosciences, and computational sciences. SDR is located in Cambridge at minute-walking from many landmark buildings such as MIT CSAIL Stata center. Several dozen interns are hosted each summer at SDR and many start earlier in spring and/or continue in fall. Previous interns have highlighted the working environment, camaraderie, diversity in expertise and domains of interest, learning about new technical challenges, the cafeteria and the outside activities offered in Cambridge as prime elements they enjoyed during their stay at SDR. Internships have often led to presentations, conference and journal publications as well as patent applications.

Applicants should send a brief letter of intent and resume via E-mail to SDRJobs@slb.com with the reference MM-SZ.

Schlumberger is an equal opportunity employer and is committed to the diversity of its workforce.