

NAIS:

Student assistance required to perform the re-compression and transfer of raw data files to Storage Archive network (SAN) from local drives. Additionally, the candidate will analyze the archive database for missing data and then use a series of custom utilities leveraging Python, Java, Bash, Perl, and SQL to backfill the archive with data from the raw data files. Student candidate will work under the mentorship of the NAIS senior database administrator.

VDS:

Student assistance required to participate with the Vessel Documentation System (VDS) automated regression code test scripting conversion project using the Rational Functional Tester (RFT) tool. This is a multi-year project that has been performed by multiple student interns/co-ops with an anticipated completion date of June 2015. Current project status indicates that approximately 80% of the existing scripts have been converted from Rational Robot and 65% completed for the entire complement of all test scripts (includes those scripts captured in Word.doc exclusively). The end state will be achieved when all VDS scripts have been converted to RFT providing for a fully automated regression test environment. Student will work under the mentorship of a senior Test Engineer.

E-GIS

Student assistance required to work with senior programming staff to develop graphic layers for the Coast Guard Enterprise GIS program, which provides GIS data, services, and functionality to the United States Coast Guard for its core missions of protecting the U.S. public, the environment, and U.S. security and economic interests in the maritime region. Projects are multi-faceted as the student will assist the team in developing and supporting web and client applications.

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