

Job Description

Job Title: Student Internship Opportunity (16 Month) - Engineering/Science - Programming

Posted Date: 14-11-2013

Location: Chalk River, Ontario, Canada

Description: **This internship opportunity is paid and will begin in May 2014.**

The Inspection, Monitoring, and Dynamics (IMD) Branch at AECL works to support the safe operation of nuclear reactors. One of the branch's specializations is research into non-destructive examination techniques, including ultrasonic and eddy current imaging, applied to inspection of nuclear reactor components.

Job Summary:

The 16-month internship with the Inspection, Monitoring, and Dynamics Branch involves designing, implementing in C++, and integrating new features into existing acquisition and analysis software. The acquisition software is used to interface with inspection hardware to collect ultrasonic data during inspections. The analysis software is used to apply mathematical algorithms and display the resulting data. The work is done in an R&D atmosphere, with quick feedback from a small team of in-house users.

Duties (under the direction of senior staff):

- Develop C++ applications with Visual Studio using MFC
- Develop/implement mathematical algorithms
- Design, program, test, and document software applications
- Extend existing programs by adding new functionality

Qualifications:

- University student with computing, science or engineering background and programming experience who has completed at least their third year
- Experience programming in C++
- Understanding of Object Oriented Programming
- Capable of working independently and as part of a team
- Excellent communication skills

Additional Requirements:

- Candidates are required to have five years of traceable history in Canada, in order to meet minimum requirements to obtain security clearance.
- Candidates must be legally eligible to work in Canada.

Along with your application, please attach the most recent copy of your transcript (unofficial is acceptable). Additionally, it is preferred that you include two written reference letters from individuals that have known you

a minimum of five years, and are not a relative.

AECL has an Employment Equity Program and encourages applications from women, Aboriginal Peoples, visible minorities and persons with disabilities.

We thank all applicants for their interest. Only those candidates selected for an interview will be contacted.

ONLINE APPLICATION

<http://www.recruitingsite.com/csbsites/aecl/en/JobDescription.asp?JobNumber=717693&source=indeed.com>