Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:
Toll Free Phone: (866) 225-9067
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Job Board Posting

Careers.Indigenous.Link

Date Printed: 2024/03/29

Student and Co-op - Science and Technology

Job ID	**23-968-STU-IT-01-2722**	
Web Address		
https://careers.indigenous.link/viewjob?jobname=23-968-STU-IT-01-2722		
Company	CSIS	
Location	Ottawa, Ontario	
Date Posted	From: 2021-10-14	To: 2050-01-01
Job	Type: Full-time	Category: Public Administration

Description

Closing Date 2022-02-02
Reference Number 23-968-STU-IT-01
Job Category Co-op
Internship program
Student Job
Who Can Apply Canadian Citizens

Location Ottawa, Ontario
Burnaby, British Columbia
Calgary, Alberta
Edmonton, Alberta
Winnipeg, Manitoba
Toronto, Ontario
Gatineau, Quebec
Montreal, Quebec
Halifax, Nova Scotia
Salary Range Hourly Salary
Status Term - 4 to 16 months
Language Requirement Various

Job Summary

The Canadian Security Intelligence Service (CSIS) is looking for students who thrive on tackling diverse challenges in a unique environment. If you are up for the challenge and want to join one of our highest perfoming teams, there is no doubt that your contributions to CSIS will provide a meaningful impact to our mission of helping keep Canadians safe against national security threats. The Service is building a workforce which is representative of the Canadian society and foster diversity and inclusion. Also, it is dedicated to establish positive policies and practices related to hiring, training, promoting and retaining designated group members ensuring that

employment-related needs of all persons are reasonably accommodated. CSIS offers opportunities for students to gain valuable experience in science and technology, with the possibility to return for multiple placements in different areas. Students will be given the opportunity to cultivate their skills and knowledge by being paired with experienced employees who will provide feedback during the work term. They will have the opportunity to broaden their knowledge and experience before choosing a career specialization.. Placement will provide opportunities in the following areas:
- Hands on work experience with projects
- Teamwork and individual contributions
- Exposure to knowledgeable and passionate subject matter experts
- Collaborative work environments
- Improve time and project management skills
- Diverse work force

Education
Candidates must be enrolled in an Undergraduate degree or an advanced diploma program of 3 years, including but not limited to:
- Computer Science
- Computer and Electrical Engineering
- Engineering in technical areas
- Network Security
- Information Technology
- Telecommunications

Experience
Students can cultivate their skills and gain valuable experience in the following fields: Software Development
- Use programming language such as, but not limited to: Java, C#, Javascript, Python, C/C++ and Go.
- Perform development and integration of software systems using Pega Business Process Management (BPM) rules engine.
- Build tools, APIs, native or web based frontends.
- Interact with end users and provide recommendations.
- Participate in designing, programming, testing, documenting and optimizing solutions.
- Learn best practices through mentorship and code review.
- Support or modernize legacy applications.
Networking/Network Engineering/Telecommunications
- Develop tools for the delivery and processing of telecommunications data.
- Test and maintain mobile devices using networking protocols and software development tools.
- Analyze and configure LAN/WAN communications networks and appliances.
- Maintain, support and administer of LAN/WAN.
IT/Network Security
- Research latest security practices. Validate operational tools and make recommendations for improvements to standard practices.
- Apply network security best practices involving commercial hardware and software.

- Develop software tools and scripts for system security audits.
- Assess/provide/use/validate secure network infrastructure for technical solutions..
- Test vulnerability of products or software, proof of concepts, refine requirements and conduct research.
- Installation, configuration and support of security related products.
- Conduct in depth security assessments including but not limited to Statements of Sensitivity (SOS), Security Reviews, Threat and Risk Assessments (TRA) and Certification & Accreditations (C&A) or Security Assessment and Authorization (SA&A).
- Obtain solid foundation of Government of Canada IT Security standards.
- Learn how to work in a Security Operations Center environment.
- Familiarization with Wireless Intruder Detection Systems (WIDS) and their role in IT Security.
- Participate in the forensic acquisition and analysis of various equipment using modern tools and techniques.

IT Infrastructure Support

- Provide operational infrastructure services that enable the collection of intelligence in order to advance CSIS' investigations.
- Create and sustain a centralized operational environment that offers high performance and high speed networks through the development of a core set of services of cost-effective, scalable and adaptive infrastructure.
- Maintain, support and administer elements in an Enterprise environment such as: Linux/Windows servers, virtualization technologies (VMware, OpenStack); storage technologies (Storage Area Network, Network Attached Storage, backups/restores); identity and access management (LDAP, Active Directory); web infrastructure.

Specialized Intelligence Collection Systems

- Validate the functionality of technical solutions to ensure the capabilities will be effective in an operational environment
- Provide/use/validate secure network infrastructure for technical solutions.
- Investigate, troubleshoot and determine remedial action to issues reported by clients.
- Configure and deploy various solutions involving networking equipment, computers, software applications and tools

Embedded Systems Programming/Hardware

- Work with analog and digital electronic circuits and troubleshooting hardware/software/firmware within embedded systems.
- Assist with testing and evaluation of systems to ensure they meet their functional and operational requirements.
- Analyze test results and track issues resolution to ensure that systems can be successfully deployed operationally with high confidence.
- Experience with microcontroller architecture (Raspberry Pi, Arduino), embedded PC hardware or VME based single board computers, ARM architectures

Quality Assurance and Testing

- Work with ensuring data quality and data assurance in a processing system for collection, organization, filtering, triaging, and reporting of data types collected using various techniques on a big data system in a complex distributed, mission critical system.
- Assist with testing and evaluation of systems to ensure they meet user requirements.

- Coordinate with development and operational teams to identify valuable tests and writing/developing new test cases and participate in continuous improvement testing.
- Analyze test results and track issues until resolution.
- Usage of tools and systems that directly support the collection, processing, storage, handling and safeguarding.

Database Administration

- Install, configure, monitor and support databases, performing database backups, restores/refreshes.
- Advise/assist developers in database design and queries best practices.

Competencies

- Problem Solving
- Analytical Skills
- Teamwork
- Client Service
- Initiative

Conditions of Employment

Applicants must be registered as a full-time, post-secondary student in an accredited academic institution recognized in Canada. Priority consideration will be given to those enrolled in an accredited co-op/internship program.

Notes

How to submit application: Applicants MUST include the following information in their cover letter in order to be given further consideration:

- Location of interest. Please note you can only select one (1). Available locations are indicated at the top.
- Travel costs benefits may apply. Further information will be disclosed during the interview process.

- Job Category - Applying for a co-op placement, internship (specific to current program enrollment) or student job.
- Field of interest, as indicated in experience.
- Availability of your work term (4, 8, 12 or 16 months)
- Your current year of study and expected graduation date.

Tips for your Cover Letter and Resume:

- Tell us your story: why do you want to work for CSIS
- Work objectives.
- Technical abilities (where applicable).
- Volunteer or work Experience (where applicable).
- Projects (where applicable).

Various language requirements include:

- English Essential (EE/AE)

- Bilingual Non Imperative (BBB/BBB)
- Bilingual Imperative (BBB/BBB)

At CSIS, we are not looking to simply fill student placement positions every four months. Our program is designed to identify and develop potential full-time employees. Candidates are asked to apply once, due to the high volume of applications. Failure to provide the requested information may result in the rejection of your application.

Reference Links

Security Requirements

Candidates must be eligible to receive an Enhanced Top Secret security clearance. The process involves a security interview, a polygraph, and a background investigation that includes credit and financial verifications. The use of illegal drugs is a criminal offense. Drug use is an important factor considered in your reliability and suitability assessment during the selection process. Therefore it is important not to use any illegal drugs from the time you submit your application.

Others

We thank all applicants for their interest in CSIS. However, only those who are selected for further consideration will be contacted.

For more information, visit CSIS for Student and Co-op - Science and Technology