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REMINDER: It's important to make a great impression. When uploading your application documents on a company's website (not the portal), ensure you personalize the name of your documents. For example, "Full Name_Job Title OR Full Name_Company Name.

Job ID : 9671
2021: Co-op: Computer Science / Engineering / Information Technology

Canadian Security Intelligence Service - Head Office

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Job Posting Information	
Term Posted:	Summer 2020
Position Type:	Co-op / Internship
Co-op Job Title:	2021: Co-op: Computer Science / Engineering / Information Technology
Job Location:	Various Locations Across Canada
Duties and Responsibilities:	*****PLEASE NOTE THIS POSITION BEGINS WINTER 2021. THE EARLY DEADLINE PROVIDES ENOUGH TIME TO OBTAIN THE NECESSARY CLEARANCE***** **Req ID:** 21-968-COOP-IT-01

Job Summary

The Canadian Security Intelligence Service (CSIS) is looking for students who thrive on tackling diverse challenges in a unique environment. You will have the opportunity to contribute and influence projects deliverable that supports the collection, processing, analysis, storage, and safeguarding of CSIS' classified and unclassified information. You may be exposed to specialized security intelligence related technologies, systems and equipment. Specific duties cannot be divulged during the recruiting process, however they will be unlike any other opportunities out there. If you are up for the challenge and want to join one of our highest performing 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. CSIS currently offers opportunities for students to gain valuable experience 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 your time and project management skills
- Diverse work force

Experience

CSIS offers a wide variety of technical opportunities for students 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 your knowledge and experience before choosing a career specialization. The positions available will provide an opportunity to work in one or more of the following fields:

Software Development
- Experience with any programming language such as Java and C#, with some Javascript, Python, C/C++ and Go.
- Perform development and/or 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 to improve their user experiences.
- 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.
- Maintenance, support and administration of LAN/WAN.

IT/Network Security
- Research latest security practices, validate operational tools and make recommendations for improvements to standard practices.
- Application of 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 to be used operationally.
- Vulnerability testing of products or software, proof of concepts, refining requirements and conducting research.
- Installation, configuration and support of security related products.
- Conduct in depth security assessments such as Statements of Sensitivity (SOS), Security Reviews, Threat and Risk Assessments (TRA) and Certification & Accreditations (C&A) or Security Assessment and Authorization (SA&A).

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.
- Maintenance, support and administration for elements in an Enterprise environment: 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 to be used operationally
- 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, CAD design tools (Solidworks), FPGA synthesis tools, CNC programming and circuit simulation software.

Quality Assurance and Testing
- Data assurance: Work with ensuring data quality 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 their 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.

Job Posting Information	
	• Gain experience and exposure to 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.
Skills and Qualifications:	**Competencies** Specific to Co-op Program: • Dependability/Reliability • Ability to Learn • Respect Specific to Job: • Problem Solving • Analytical Skills • Team Work • Client Service • Initiative **Conditions of Employment** Students must be recognized as having full-time student status. Priority consideration will be given to those enrolled in an accredited co-op/internship program. ***** Note: Candidates must copy and paste the requested information (from the bottom of the page in the link provided) in their cover letter*****
All Degrees and Disciplines:	No
Targeted Degrees and Disciplines:	**Targeted Programs** Computer Engineering Computer Science - Co-op Computer Science - Internship Computer Security - Co-op Computer Security - Internship Digital Media - Internship Electrical Engineering Software Engineering Space Engineering
Salary:	Salary Not Available, 40.0 hours per week
Salary Range:	n/a
Duration:	4, 8, 12 or 16 Months
Start Date:	01/21/2020

Application Information	
Application Deadline:	Feb 19, 2020 11:59 PM
Application Procedure:	By Website

Application Information

By Website, go to:	https://www.canada.ca/en/security-intelligence-service/corporate/csis-jobs/student-opportunities/student-co-op-computer-science-engineering-information-technology.html
Application Documents Required:	Cover Letter,Resume,Transcript

Company Info

Organization:	Canadian Security Intelligence Service

PEO Information

Is this position under a P.Eng.:	Unknown

Print

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New Search

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Deadline in 1 day(s)   **Viewed**