Job Posting:173978 - Position: W26 Embedded Software Engineer - Co-op 173978

Co-op Work Term Posted:	2026 - Winter
App Deadline	10/17/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	10/01/2025 02:24 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Ciena Canada
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Embedded Software Engineer - Co-op 173978
Position Type	Co-op Position
Job Location	Ottawa, ON
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Job Title: Embedded Software Engineer - Co-op Winter 2026
Job ID: R029117
As the global leader in high-speed connectivity, Ciena is committed to a people-first approach. Our teams enjoy a culture focused on prioritizing a flexible work environment that empowers individual growth, well-being, and belonging. We're a technology company that leads with our humanity-driving our business priorities alongside meaningful social, community, and societal impact.
How You Will Contribute:
We design, implement, and maintain real-time embedded platform and application software for several of Ciena's flagship products. Functional areas in our scope range from low level bit flipping drivers to high level software state machines for interfacing with external applications:
• Linux and VxWorks kernels and base software components
•Drivers for proprietary and 3rd party ASICs, FPGAs, and other hardware components.
•Hardware/software interface to provide bridging of various abstraction layers.
•Fault and alarms subsystems to detect, report and maintain defects and manage their hysteresis and co-relations.
•System applications such as traffic/equipment protection, performance monitoring, etc.
•SDKs that abstract the underlying low-level software and hardware to facility platform application developments and integration.
Pay ranges at Ciena are designed to accommodate variations in knowledge, skills, experience, market conditions, and locations, reflecting our diverse products, industries, and lines of business. Please note that the pay range information provided in this posting pertains specifically to the primary location, which is the top location listed in case multiple locations are available.
In addition to competitive compensation, Ciena offers students access to the Employee Assistance Program (EAP), company-paid holidays, paid sick leave, and vacation pay as required by applicable laws.
Not ready to apply? Join our Talent Community to get relevant job alerts straight to your inbox.
At Ciena, we are committed to building and fostering an environment in which our employees feel respected, valued, and heard. Ciena values the diversity of its workforce and respects its employees as individuals. We do not tolerate any form of discrimination.

Ciena is an Equal Opportunity Employer, including disability and protected veteran status.
If contacted in relation to a job opportunity, please advise Ciena of any accommodation measures you may require.

Job Requirements

Must Haves:
• Enrolled in a bachelor's or master's degree in computer or electrical engineering, computer science, or similar disciplines
•Experience with C or C++

Assets:
• Developing software for embedded systems or telecom products
•Understanding of CPU hardware architectures, hardware functional specifications, hardware timing diagrams, device data sheets
•Understanding of real-time operating systems and embedded systems
•Software development tools such as git, BitBucket, Gerrit, Jira, etc.
•Unit test frameworks such as Google Test, JUnit, Robot, PyTest, and the like
•Debuggers and tools (e.g., gdb), especially for troubleshooting embedded systems in user space and kernel space
•High-level programming and scripting languages such as Java, Python, Perl, Tcl, bash
•YANG modeling language and toolchains
•Software development methodologies such as Agile or Waterfall
•Familiarity with datacom and telecom concepts such as DWDM, SONET/SDH, OTN, Ethernet, OSI Model, TCP/IP, MPLS

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website
Cover Letter Required?   Optional
Special Application Instructions

Application Link:

https://ciena.wd5.myworkdayjobs.com/Careers/job/Ottawa/Embedded-Software-Engineer---Co-op-Winter-2026_R029117
Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.