Job Posting:174893 - Position: W26 Embedded Software Engineer (Real-Time Systems) 174893

Co-op Work Term Posted:	2026 - Winter
App Deadline	11/14/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	10/29/2025 02:36 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 (Real-Time Systems) 174893
Position Type	Co-op Position
Job Location	Ottawa, ON
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	25.0 per hour for 0 Major List
Salary Range $	$25.00-34.00

Job Description

Job Title: Embedded Software Engineer (Real-Time Systems) - Winter Co-Op

Job ID: R028958

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.

The Opportunity:

Work term of 4, 8, 12 or 16 months starting in January 2026.

At Ciena you will design, implement, and maintain real-time embedded platform and application software for our flagship 6500 product. As a co-op/intern, you will have a mentor and work alongside industry experts, gain hands-on experience, and help shape the future of optical networking by:

- Developing software for Linux and VxWorks kernels and base components.
- Implementing system applications for traffic/equipment protection, performance monitoring, communications, shelf configuration, security, and upgrades.
- Designing drivers for proprietary and third-party ASICs, FPGAs, and other hardware components.
- Bridging hardware/software abstraction layers to ensure seamless integration.
- Fault and alarms subsystems to detect, report and maintain defect tracking.
- Learn software development best practices to facilitate product delivery to our extensive customer field deployment across the world.

The pay range for this position is $25.00-34.00

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
•Experience with the Linux command line and development tools such as VS Code & Eclipse
•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
•Unit test frameworks such as Google Test, PyTest, JUnit, Robot, and the like
•Debuggers and tools (e.g., gdb), especially for troubleshooting embedded systems in user and kernel spaces.
•High-level programming and scripting languages such as Python, bash, LUA, and Perl
•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, OSR

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/en-US/Careers/job/Ottawa/Embedded-Software-Engineer--Real-Time-Systems----Winter-Co-Op_R028958?source=LinkedIn+Job+Advertisement

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.