

Job Posting:173829 - Position: W26 Routing/IP Software Developer Intern 173829

Co-op Work Term Posted:	2026 - Winter
App Deadline	10/03/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	09/25/2025 09:01 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Ciena Canada
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
 Job Title 	W26 Routing/IP Software Developer Intern 173829
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: Routing/IP Software Developer Intern (Winter 2026)

Job ID: R029036

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.

Term: 4 or 8 Months (January 2026 - August 2026)

Location: In-Office

How You Will Contribute

As an Intern/Co-op on the Packet Control Plane team, you'll gain hands-on experience working on advanced Routing and MPLS technologies that power carrier-grade networks. During your term, you will:

- Contribute to feature development in Routing, BGP, IS-IS, MPLS, and Segment Routing (SR-MPLS, SRv6).
- Assist in the design, coding, validation, and documentation of networking software components.
- Support implementation and testing of Segment Routing features, including SR-MPLS and SRv6, with focus on scale, resiliency, and traffic engineering.
- Troubleshoot and debug routing protocol and service issues under the guidance of senior engineers.
- Learn and apply skills in MPLS, IS-IS, Segment Routing features (SR-MPLS, SRv6), TiLFA, EVPN, Ethernet services, IPv4/IPv6 protocols, and transport protocols.

Work Environment

You will be part of a collaborative and innovative in-office team working on next-generation IP/MPLS routing capabilities. Expect:

- Mentorship from experienced engineers.
- Exposure to carrier-class product development cycles.
- An opportunity to apply classroom knowledge to real-world networking challenges.

Why This Role Matters

The Ciena Packet Control Plane team is building advanced Routing and MPLS capabilities that help Service Providers modernize and unify their networks. As an intern, you will:

- Work on projects that have direct impact on real deployments.
- Gain hands-on experience with technologies shaping the future of IP/MPLS routing.
- Develop skills that position you for a career in advanced networking and systems software.

Pay Range: 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

The Must-Haves

- Currently pursuing a Bachelor's degree in Computer Systems Engineering, Computer Science, Software Engineering, or a related discipline.
- Strong programming skills in C and Python - this is an absolute must.
- Interest in computer networking and eagerness to learn about Routing, MPLS, and Segment Routing.
- Solid problem-solving and debugging skills.

Nice to Have

- Exposure to IP routing protocols (ISIS, BGP), MPLS, and Segment Routing features (SR-MPLS, SRv6).
- Knowledge of Ethernet services, IPv4/IPv6, EVPN, TiLFA, or other transport protocols.
- Familiarity with Linux development environments.

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/Routing-IP-Software-Developer-Intern--Winter-2026-_R029036-1

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.