

Job Posting: 177384 - Position: S26 Professional Experience Year (PEY) Student - Artificial Intelligence/Machine Learning Engineer 177384

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/28/2026 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	01/20/2026 11:03 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	RBC (Royal Bank of Canada)
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Professional Experience Year (PEY) Student - Artificial Intelligence/Machine Learning Engineer 177384
Position Type	Co-op Position
Job Location	Toronto, ON
Country	Canada
Duration	12 or 16 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Please note: This posting is for a 12- 16 month PEY Student 2026/27 placement with a start date of May 2026 and end-date of April/August 2027. In order to be eligible for this 12-16 month Student position, you must either:

- Be returning back to school after the work term end-date of April/August 2027; or
- If you are not returning back to school, but you require the 12-16 month work term as a mandatory component to in order to graduate successfully.

Please ensure that you meet these eligibility requirements before applying - candidates who apply but are found to be ineligible are not able to be considered.

What is the opportunity?

The Next Best Action team here at RBC, which is part of the Personal Banking organization, is responsible for running day-to-day marketing campaigns and marketing experiments for our banking clients. Our Data Innovation team is the responsible for maintaining the ecosystem that runs daily that drives our NBA or "Next Best Action" initiative. Our ecosystem is a mix of big data pipelines, machine learning models, full stack (front-end and back-end) applications and microservices. We are looking for an intern to contribute and build upon the ecosystem with collaboration with our technology/business partners across the bank. In addition, we believe this is an awesome opportunity to learn about a different production system within the marketing sector, a unique blend of a start-up within a large organization, as well as an opportunity to learn and flex into different areas of the ecosystems or additional projects of interest.

Job Description

- Evolve the existing machine learning systems to be make machine learning processes scale to be quicker, more reliable and if applicable autonomous or semi-autonomous
- You will play an integral role in engaging your critical thinking, time management, and design skills within your team.
- Drive Agentic initiatives from idea through proof-of-concept (POC) and subsequent development stages.
- Manage, optimize, oversee, and monitor data & model pipelines as well as the UI and processes used to inform client campaigns decisions related to Next Best Action recommendations

What's in it for you?

We thrive on the challenge to be our best, progressive thinking to keep growing, and working together to deliver trusted advice to help our clients thrive and communities prosper. We care about each other, reaching our potential, making a difference to our communities, and achieving success that is mutual.

- Leaders who support your development through coaching and managing opportunities
- Ability to make a difference and lasting impact
- Work in a dynamic, collaborative, progressive, and high-performing team
- Opportunities to do challenging work and make a difference
- Opportunities to build close relationships

Job Skills

Communication, Computer Literacy, Detail-Oriented, Interpersonal Relationships, Listening Effectively, Personal Development, Personal Initiative

Job Requirements

Must have

- Experience with programming languages in Python, Scala or equivalent and including a SQL-like language.
- 1-2 years' experience OR coursework in one or more of the following areas is preferred:
 - Big data processing (Spark, Hadoop or equivalent)
 - Data Warehouses (Teradata, SQL Server, Postgres or equivalent)
 - Data Quality Engineering
 - Building and/or maintaining ML models
 - Designing solutions with the user's experience in mind
 - Excellent interpersonal and highly developed communication skills (verbal and written)
 - Creative and analytical thinker who is self-driven and capable of working in a fast-paced environment.
 - Excellent teamwork and collaboration skills.

Nice to have

- Experience with Cloud platforms (AWS, Google Cloud, Azure) is preferred
- Experience with developing LLM and AI Agents is preferred
- Experience with real-time streaming technologies is an asset
- Experience with Airflow and other scheduling tools will be an asset
- Experience with other database technologies (noSQL, graph databases, vector databases etc) is an asset
- Experience with continuous integration and development tools is an asset
- Background in development in mobile or web development is an asset
- Experience in financial services industry with broad understanding of marketing, product management, sales, finance, pricing and risk management is an asset

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

APPLICATION LINK: <https://jobs.rbc.com/ca/en/job/R-0000155688/Professional-Experience-Year-PEY-Student-Artificial->

Intelligence-Machine-Learning-Engineer

• **Application Deadline:** 2026-01-29

• Note: Applications will be accepted until 11:59 PM on the day prior to the application deadline date above

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.