Job Posting:167926 - Position: S25 Machine Learning - Summer/Fall Co-op 167926

Co-op Work Term Posted:	2025 - Summer
App Deadline	03/28/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	03/14/2025 04:17 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Skyworks Solutions
Address Line 1	1145 Innovation Drive
City	Kanata
Postal Code / Zip Code	K2K 3G8
Province / State	Ontario
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
<b> Job Title <b>	S25 Machine Learning - Summer/Fall Co-op 167926
Position Type	Co-op Position
Job Location	Ottawa, ON
Country	Canada
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	US
Salary	0.0 per hour for 0 Major List
Salary Range $	$26-$47.50
Job Description	

Job Description

The Machine Learning Co-Op will work with the Analytics Team, which is focused on delivering value to the Diversified Analog Solutions Operations Team.

You will architect the bridge between our SQL Decoder instance and production web interface, ensuring reliable data retrieval through RAG-enhanced queries.

This is a growth-oriented internship. We prioritize curiosity and foundational programming skills over complete expertise.

You will receive mentorship on integrating SQL Decoder and implementing RAG patterns.

The typical pay range for an Engineering intern across the U.S. is currently USD $26.00 - $47.50 per hour and for a Non-Engineering intern across the U.S. is currently USD $22.50 - $42.00 per hour. Starting pay will depend on level of education, the ultimate job duties and requirements, and work location. Skyworks has different pay ranges for different work locations in the U.S.

Job Requirements

Qualifications

• Currently pursuing an M.S. in Statistics, Math, IS, Analytics, Data Science, or related field.

• Able to commit to the full duration onsite of the co-op opportunity (up to 6 months: June 2025 to December 2025)

Preferred Skills

• Candidates must demonstrate proficiency in at least 3 of these core areas:

• Building model-as-service architectures with Python web frameworks (FastAPI preferred) for model integration.

• Hands-on with SQL Decoder or similar OSS models for natural language to SQL conversion

• Frontend development fundamentals (JavaScript/HTML/CSS)

• Familiarity with Hugging Face pipelines and Lang Chain for LLM workflow orchestration

• Implementing RAG patterns with SQL Server schema context injection

• While experience with SQL Decoder is ideal, we welcome candidates with exposure to similar NLP models through academic projects or open-source contributions.

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website

Cover Letter Required?   Optional

Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link: Machine Learning - Summer/Fall Co-Op

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.