Job Posting: 178118 - Position: S26 AI Research Intern 178118

Co-op Work Term Posted: 2026 - Summer
App Deadline   02/28/2026 11:59 PM
Application Method: Through Employer Website
Posting Goes Live: 02/06/2026 12:42 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization   Bank of Montreal
Country   Canada

JOB POSTING INFORMATION

Placement Term   2026 - Summer
<b> Job Title <b>   S26 AI Research Intern 178118
Position Type   Co-op Position
Job Location   Toronto, ON
Country   Canada
Duration   4 months
Salary Currency   CAD
Salary   54600.0 per year for 0 Major List
Salary Range $ $54,600.00 - $101,400.00
Job Description

Job Title: AI Research Intern - Summer 2026
Job ID: R260004304
Application Deadline: <mark>February 28, 2026</mark>
About the Role
As a co-op/intern student at BMO, you will have the opportunity to be heard, keep growing and make a difference. You will join BMO's AI Engineering and Research teams, participating in the campus program that includes mentorship programs, peer activities, enterprise learning, and AI communities of practice. This role focuses on exploratory AI research, prototyping innovative algorithms, assessing emerging technologies, and helping build next-generation intelligent systems that support financial applications.
Key Accountabilities
• Research cutting-edge AI/ML techniques such as transformer architectures, multimodal models, retrieval-augmented generation (RAG), reinforcement learning, and generative AI.
• Prototype models in Python using PyTorch, TensorFlow, Hugging Face libraries, vector stores, and LLM frameworks.
• Conduct experiments with structured and unstructured datasets, including feature engineering, data augmentation, and evaluation.
• Assist with LLM experimentation including prompt engineering, model fine-tuning, evaluation pipelines, and agentic AI workflows.
• Explore model performance, scalability, robustness, generalization, and security considerations.
• Document research findings, produce technical summaries, ingest papers, compare model families, and present insights to engineering leadership.
• Collaborate with AI engineers, data scientists, solution architects, and product owners on early-stage prototypes.
• Support model explainability, reproducibility, experiment tracking, and code quality best practices.
What You Will Gain
• Experience working with advanced AI research topics used in industry.
• Hands-on model-building exposure to LLMs, agent systems, optimization techniques, and deep learning architectures.

•Ability to explore, design, and prototype new AI capabilities that support banking and financial services.
•Mentorship from senior AI engineers and opportunities to contribute to internal research discussions, demos, and prototypes.
•A deeper understanding of how research translates into real-world enterprise AI solutions.

Salary:
$54,600.00 - $101,400.00

Pay Type:
Salaried

The above represents BMO Financial Group's pay range and type.

Salaries will vary based on factors such as location, skills, experience, education, and qualifications for the role, and may include a commission structure. Salaries for part-time roles will be pro-rated based on number of hours regularly worked. For commission roles, the salary listed above represents BMO Financial Group's expected target for the first year in this position.

BMO Financial Group's total compensation package will vary based on the pay type of the position and may include performance-based incentives, discretionary bonuses, as well as other perks and rewards. BMO also offers health insurance, tuition reimbursement, accident and life insurance, and retirement savings plans. To view more details of our benefits, please visit: https://jobs.bmo.com/global/en/Total-Rewards

About Us

At BMO we are driven by a shared Purpose: Boldly Grow the Good in business and life. It calls on us to create lasting, positive change for our customers, our communities and our people. By working together, innovating and pushing boundaries, we transform lives and businesses, and power economic growth around the world.

As a member of the BMO team you are valued, respected and heard, and you have more ways to grow and make an impact. We strive to help you make an impact from day one - for yourself and our customers. We'll support you with the tools and resources you need to reach new milestones, as you help our customers reach theirs. From in-depth training and coaching, to manager support and network-building opportunities, we'll help you gain valuable experience, and broaden your skillset.

To find out more visit us at https://jobs.bmo.com/ca/en.

BMO is committed to an inclusive, equitable and accessible workplace. By learning from each other's differences, we gain strength through our people and our perspectives. Accommodations are available on request for candidates taking part in all aspects of the selection process. To request accommodation, please contact your recruiter.

Note to Recruiters: BMO does not accept unsolicited resumes from any source other than directly from a candidate. Any unsolicited resumes sent to BMO, directly or indirectly, will be considered BMO property. BMO will not pay a fee for any placement resulting from the receipt of an unsolicited resume. A recruiting agency must first have a valid, written and fully executed agency agreement contract for service to submit resumes.

Job Requirements

Qualifications

• Enrolled in Computer Science, AI, Data Science, Engineering, Mathematics, or related field, returning to studies after the work term.
•Strong programming skills in Python and familiarity with ML frameworks (PyTorch, TensorFlow, JAX, or similar).
•Understanding of machine learning fundamentals, neural networks, and data preprocessing.
•Experience with Git/GitHub and reproducible experimentation workflows.
•Strong written communication skills and ability to translate research insights to diverse audiences.
•Curiosity, creativity, and comfort exploring ambiguous, open-ended research questions.

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website
Cover Letter Required?   Optional
Address Cover Letter to   Hiring Manager
Special Application Instructions

Application Link:

https://bmo.wd3.myworkdayjobs.com/en-US/External/job/Toronto-ON-CAN/AI-Research-Intern---Summer-2026_R260004304-2

Application Deadline: <mark>February 28, 2026</mark>
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.