

Job Description: Lead Modeler, US AML Model Management

Role/Title: Lead Modeler, AML Model Development	Date Evaluated:
Immediate Manager's Job Title: Director, US AML Model Management	Credit Qualified: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Next Level's Manager's Job Title: Managing Director, AML Technology, Modeling & Analytics	Commission Eligible: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Banking Group: AML	Location: Toronto/Milwaukee/Chicago
Department: US AML Model Management	Evaluated Grade: 7 Job Code:
Mandate / Marketability (this section will be loaded to myRecruiting so make it clear for internal & external candidates)	
<p>The Lead Statistical Modeler will lead the responsibility for helping develop leading edge AML models for transaction monitoring, name matching, watch-list monitoring, customer risk scoring; providing input to the framework for model development. This position carries responsibility for the timely and accurate development of AML models. The testing, reviewing and validation activities include but is not limited to assisting the technical writers with model documentation, following the AML and Enterprise Modeling Governance standards; stating key assumptions, including qualitative and expert judgment, logic and conceptual soundness; conducting various tests.</p>	
Key Accountabilities (this section will be loaded to myRecruiting so make it clear for internal & external candidates)	
<ul style="list-style-type: none"> Accomplish AML Program objectives through the effective oversight and support of critical AML applications; Properly identify, report and escalate issues which may impact the AML Office resulting from performance, functionality or changes within critical applications; Perform first level review and analysis of issues or escalations received from other areas within the AML Office; Assess the quality of the data for model development as well as inputs to the model, providing recommendations to improve the data quality at the source; Provide recommendations to improve monitoring systems and capabilities based on identified risk and control gaps; Assist in preparing materials required for Audits and Exams; Assist in the evaluation of projects and initiatives across BMO to properly identify areas of impact concerning critical AML applications; Scope of Scenarios & Parameters Change: Amend existing AML scenario logic and profiles; Scope of Scenarios & Parameters Design: End-to-end design and documentation; Integration Complexity: Single/few impacted systems or applications; Time span of longest component part: 9 to 12 months; Managerial Leadership: While this role does not have any direct reports it will act as an informal team lead, providing day to day direction to the team, acting as the main go to person and providing informal coaching. 	
Authorities	Scope & Impact
<ul style="list-style-type: none"> Provide and recommend actions to mitigate risk and use 	This role will have a significant impact on

<p>judgment-based decision-making regarding AML policies and procedures.</p> <ul style="list-style-type: none"> • Use and access confidential information related to customer information, product and financial information while adhering to corporate standards for dealing with that type of data. 	<p>maintaining the Bank's reputation through the ML/TF electronic monitoring and the education and coaching of staff on the detection and reporting of suspected money laundering, organized crime and terrorist financing.</p>
<p>Cross Functional Relationships</p>	
<ul style="list-style-type: none"> • AML Team (CAMLO Office, FIU, Enterprise AML Modeling and Data Governance) • Product Groups • Line Of Business' (AMLRO's) • Model Risk Vetting Group • Technology & Operations 	
<p>Knowledge & Skills (this section will also be loaded to myRecruiting)</p>	<p>Working Conditions</p>
<p>Knowledge</p> <ul style="list-style-type: none"> • Detailed knowledge of anti-money laundering related requirements • Detailed knowledge of data analysis / analytics / mining techniques • Effective communication skills and proven ability to impact and influence • Sound knowledge of banking operations • Proven Leadership and Management capabilities • Prior experience in data extraction, manipulation, analysis and reporting (5+ years) • Prior experience with data analysis tools (5+ years) • Prior experience in financial crime, risk assessments (5+ years) • Prior AML experience (5+ years) • Undergraduate degree or specific industry experience. Advanced degree in Statistics, Mathematics, Engineering, Economics, Finance or MBA or other quantitative field preferred. <p>Skills</p> <ul style="list-style-type: none"> • Analytic Thinking In-depth • Data Mining & Modeling In-depth • Problem Solving In-depth • Information Management In-depth • Applied Innovation Working • Risk Management Working • Project Management Working • Managerial Leadership Working 	<p>This role operates within normal office conditions with minimal exposure to health risks.</p>



Explanation:

5. ENVIRONMENTAL CHARACTERISTICS OF THE WORK AREA: Check below to identify the environmental characteristics of the work area and explain if needed.

- | | | |
|--|---|--|
| <input type="checkbox"/> Work Outdoors | <input type="checkbox"/> Noise Intensity | <input checked="" type="checkbox"/> Face-to-face Contact |
| <input type="checkbox"/> High Temperature | <input type="checkbox"/> Atmosphere | <input checked="" type="checkbox"/> Hours exceed 40/week |
| <input type="checkbox"/> Low Temperature | <input type="checkbox"/> Works Alone | <input checked="" type="checkbox"/> Occasionally |
| <input type="checkbox"/> Air Contamination | <input checked="" type="checkbox"/> Works with Others | <input type="checkbox"/> Regularly |
| | | <input type="checkbox"/> Other |

Explanation:

6. PHYSICAL ACCESS: Check below to identify the types of physical access encountered.

- | | | |
|--|-------------------------------------|-----------------------------------|
| <input checked="" type="checkbox"/> Doorways | <input type="checkbox"/> Stairs | <input type="checkbox"/> Travel |
| <input checked="" type="checkbox"/> Elevator | <input type="checkbox"/> Turnstiles | <input type="checkbox"/> Vehicles |
| <input type="checkbox"/> Escalator | <input type="checkbox"/> Ramps | <input type="checkbox"/> Other |

Explanation: Normal office tower work environment