Machine Learning Engineer

We have the following job opportunity in our **New York City** office:

Description

This role will be part of our TransRe Artificial Intelligent Team (TRAIT) and will be responsible for providing key Machine Learning deliverables to our global user base. Responsibilities include, but are not limited to:

- Constructing machine learning models including data collection, normalization, and standardization, data pipeline construction, model selection and hyperparameter tuning, working ml systems that can add new data into ml model
- Working on and researching the most recent LLM and GenAI models, safety, interpretability, and applications
- Creating apps to present ml models and host them in the cloud or locally
- Creating pipelines to query and retrieve and update data for existing applications to keep them updated
- Supervising the scaling and management of the machine learning modeling ecosystem
- Finding orthogonal data sets to supplement models and increase alpha
- Staying abreast of new technology and machine learning methodologies and implementing them into the model building architecture
- Working alongside (re)insurance domain experts to improve predictive aspects of their lines of business

Requirements

As an ideal candidate, you will possess the following skills and knowledge:

- Proven track record of building, scaling and productizing multiple machine learning models
- Strong experience in the full life-cycle of machine learning models from initial theorizing to final implementation & support
- High proficiency with working with LLMs- fine-tuning, RLHF, distillation, optimization
- Experience working with sparse, high dimensional, tabular, and time series data
- Python ml stack
- PyTorch, TensorFlow, CUDA
- Boosting and bagging algorithms
- ML Optimization Techniques
- Ensemble Stacking and Meta Learners

Work Schedule
TransRe is supportive of an agile work schedule, which may differ based on individual roles, your local office's practices and preferences, marketplace trends, and TransRe's business objectives. This position is eligible for a hybrid work schedule with 3 days in the office per week, and 2 days remote.

Compensation
In addition to base salary, for this position, TransRe offers a comprehensive benefits package, paid time off, and incentive pay opportunity. The anticipated annual base salary range in New York for this position, exclusive of benefits, paid time off, and incentive pay opportunity is $150,000 – $170,000. This range is an estimate, and the actual base salary offered for this position will be determined based on certain factors, including the applicant's specific skill set and level of experience.

Interested in applying for this role? Please visit our Careers Page to apply!

We support diversity in the workplace. We are an Equal Opportunity Employer.

About Us

Since 1977, TransRe's vision has been to deliver the capacity and expertise necessary to contribute to the sustainable growth of prosperous communities worldwide.

Our Mission

Our mission is to be the first- choice provider of reinsurance to our customers, based on:

Experience	the foundation of our long term, trust-based relationship is built on long tenured leadership in every line in every region.
Accessibility	our global network of local support for all property and casualty lines of business.
Strength	the cornerstone of our ability and willingness to pay claims.
Innovation	a track record of collaboration and service delivery to support your sustainable profitable growth.
Expertise	the basis of our timely, value-added insight and offerings.
Resilience	existing to improve the resilience of communities worldwide, through our products, our people and our partnerships

Our Values

To achieve our Vision and Mission, we maintain a culture of the highest ethical standards. We treat our employees and customers fairly. We stand behind our products and services. We act with:

Integrity	work honestly, to enhance TransRe's reputation.
Respect	value all colleagues. Collaborate actively.
Performance	we reward excellence. Be accountable, manage risk and deliver TransRe's strengths.
Entrepreneurship	seize opportunities. Innovate for and with customers.
Customer Focus	anticipate their priorities. Exceed their expectations

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