

Machine Learning Engineer

Job Information

Recruiter
NEXUS Corporation

Job ID
1609576

Industry
Software

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
Negotiable, based on experience

Refreshed
November 4th, 2026 01:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Position Details

As a member of our client's team, you will work closely with business side to understand their challenges, collaborate with data engineers and front end engineers, and deliver solutions that optimize our client's product offerings. Specifically, you will be responsible for projects such as item recommendation, user targeting, image optimization, and NLP tasks utilizing user reviews. In this role, you will have the following key responsibilities:

- Collaborate with business side to define project requirements.
- Develop detailed dev specifications.
- Build and deploy ML models via APIs.
- Design and execute experiments to validate solutions.
- Conduct AB tests and bandit optimizations to compare different approaches.
- Evaluate experimental results using statistical tests to measure impact and effectiveness.

Required Skills

Mandatory Qualifications

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- Passion and curiosity for machine learning and data science.
- Master’s degree or higher in machine learning, mathematics, or a related field, or equivalent practical experience.
- Experience building ML/DL models, including image processing, NLP, or related areas.
- Knowledge in at least one of the following:
    - Machine Learning: discriminative/generative models, SGD, asymptotic theory; plus Counterfactual ML, Attention/Transformer, or Optimal Transport.
    - Mathematics: linear algebra, calculus, topology; plus Analysis or Geometry.
- Python development experience, preferably with PyTorch/TensorFlow, GPU-based training, and code review experience.
- Expertise in experimental design, including A/B testing and statistical methods; knowledge of Bayesian A/B testing, optimal arm decision algorithms, or interleaving is a plus.
- Ability to collaborate effectively in cross-functional teams.

Desired Qualifications

- Experience deploying ML systems to production.
- Fluency in Japanese is a plus.
- Publications at top international ML/data science conferences demonstrating strong expertise.

Company Description