PR/095148 | Machine Learning Engineer

Job Information

Recruiter
JAC Recruitment Vietnam Co., Ltd

Job ID
1559143

Industry
IT Consulting

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
Negotiable, based on experience

Refreshed
September 23rd, 2025 10:44

General Requirements

Career Level
Mid Career

Minimum English Level
None

Minimum Japanese Level
None

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

Company
A reputable automotive Japanese company

Responsibilities

- Design and implement advanced ML models tailored for autonomous vehicles, leveraging deep learning and large-scale data.
- Deploy scalable and efficient ML models into the autonomous driving platform.
- Integrate cutting-edge technologies while ensuring compliance with strict safety and cost requirements.
- Contribute to the full ML development lifecycle—data strategy, training, optimization, and validation.
- Apply the scientific method and critical thinking to invent state-of-the-art deep learning solutions.
- Operate in a fast-paced environment, applying Agile development practices.
- Foster a collaborative, "giver" mindset, supporting teammates while driving results.
- Collaborate with Perception, Motion Planning, Simulation, Infrastructure, and Tooling teams to deliver unified solutions.

Requirements

- MS or PhD in Machine Learning, Computer Science, Robotics, or related fields, or equivalent industry experience.
- 3+ years of experience with Python, deep learning frameworks, and software engineering best practices. Proficiency in C++ for platform integration.
- 2+ years of experience with deep learning techniques (supervised/unsupervised learning, transfer learning, multi-task learning, deep reinforcement learning).
- 2+ years of experience across the end-to-end ML pipeline: data sampling, preprocessing, training, evaluation, deployment, and inference optimization.
- Strong communication skills, with the ability to convey technical concepts clearly and accurately.

Nice to Have

- Publications in top-tier ML/AI conferences (e.g., NeurIPS, CVPR).
- Proven success in deploying ML models at scale, ideally in self-driving or related domains.
- Familiarity with production-level coding under time-sensitive conditions.
- Experience with computer vision, including:
    - Multi-view geometry
    - Camera calibration
    - Depth estimation
    - Neural radiance fields, Gaussian splatting
    - SLAM (simultaneous localization and mapping)
    - Knowledge of robot motion planning methods such as trajectory optimization, sampling-based planning, or model predictive control.
    - Experience working with temporal/sequential data models.
    - Background in self-driving challenges: Perception, Prediction, Mapping, Localization, Planning, Simulation.

Benefits

- Competitive Salary – Based on experience
- Flexible Work Hours
- Paid Leave – 20 days/year (prorated)
- Sick Leave – 6 days/year (prorated)
- Holidays – Weekends, Japanese national holidays, and company-defined days
- Social Insurance – Health, pension, workers' comp, unemployment, and long-term care
- Housing Allowance
- Retirement Benefits
- Rental Car Support
- In-House Training – Software and language learning programs

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Company Description