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Applied Scientist

Job Information

Recruiter
iWill Capital G.K.

Hiring Company
Our client is a spacetech private company

Job ID
1514684

Industry
Other

Company Type
Small/Medium Company (300 employees or less)

Non-Japanese Ratio
Majority Japanese

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
8 million yen ~ 9 million yen

Refreshed
January 22nd, 2025 14:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Fluent

Minimum Japanese Level
Daily Conversation

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Role:

You will be integrated within a team of scientists to research, develop and improve models at the core of Synspective's solutions

Responsibilities:

- Research algorithms and develop code to extract insights from SAR imagery.

- Determine a suitable approach for each problem based on literature review and trials. Various tools can be utilized such as image processing, statistical learning, deep learning, etc
- Enrich your models by considering other types of information alongside SAR images (optical satellite, infrastructure polygons, weather data, etc)
- Closely collaborate with other scientists and also business members to find suitable solutions to various requests or issues.
- Utilize version control systems like Git to manage software code and collaborate with team members efficiently.
- Help finding and developing suitable visualization for various models and solutions.
- Continuously improve your skills and those of your team.

Selling points:

- Work on a daily-basis on imagery produced by Synspective's satellite constellation
- Collaborate alongside highly skilled engineers and scientists in a global setting.
- Participate in the development of state-of-the-art approaches to solving concrete issues related to sustainability, disaster prevention, management, etc.
- Some freedom is given to employees on the nature of their tasks and how they solve the various issues assigned to them.
- Synspective provides support for learning new skills and passing various certifications

Required Skills

Minimum Qualifications:

- Bachelor's Degree in Data Science, Statistics, Computer Science, or related field.
- At least 2-3 years of professional experience with Python and its scientific ecosystem (NumPy, Pandas, Jupyter, etc.)
- At least 2-3 years of professional experience working in a Unix environment and with Git
- At least 2-3 years of professional experience with statistics and machine learning.
- Ability to conduct literature surveys and quickly reproduce approaches from scientific papers.
- Motivation to learn new things and share them with the team.

Preferred Qualifications:

- Master's Degree in Data Science, Statistics, Computer Science, or related field
- Experience with SAR data and utilizing it in earth observation applications.
- At least 2-3 years of professional experience with machine learning and deep learning frameworks such as Scikit-Learn, pytorch etc
- At least 2-3 years of professional experience with GIS libraries such as GDAL and Rasterio.
- Fluent oral and written communication skills in English to convey techniques and results of analyses clearly to both experts and non-experts.

Company Description