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Computer Vision Engineer | Mobility Related Business

Flex&Fully Remote Work★Venture Company

募集職種

人材紹介会社
G Talent（ビズメイツ株式会社）

採用企業名
★Featured Mobility Related Business★

求人ID
1514767

業種
インターネット・Webサービス

雇用形態
正社員

勤務地
東京都 23区

給与
600万円 ~ 1200万円

勤務時間
Flextime

休日・休暇
Saturday/Sunday/National Holiday, Annual Paid Leave, etc.

更新日
2025年01月08日 16:43

応募必要条件

職務経験
3年以上

キャリアレベル
中途経験者レベル

英語レベル
無し

日本語レベル
ビジネス会話レベル

最終学歴
高等学校卒

現在のビザ
日本での就労許可が必要です

募集要項

【About the company ...】

The company's mission is to "make people happy through mobility." and provides IT services that update the mobility industry, including cab apps and next-generation AI drive recording services.

▼Service List

■Cab App
This cab dispatch application was created by integrating "JapanTaxi" operated by Nihon Kotsu and "MOV" operated by DeNA. Although this application is based on MOV, it also allows users to request cab dispatch from cab companies that had partnered with JapanTaxi.

■Next Generation AI Drive Recording Service
AI-based drive recorder constantly analyzes driving. It automatically detects various risky driving behaviors that may cause accidents, such as looking aside or failing to stop for a moment, and leaves a video record of the accident. Based on AI-detected video and analysis data, specialized personnel dedicated to safety management will work with your company's team to help prevent driving accidents and improve operational efficiency.

■Cab App Corporate Services
In addition to cab ordering, the system includes corporate functions such as expense reimbursement. In addition to visualizing information on employee cab usage, the system also allows for more efficient expense reimbursement through invoice payment.
Areas covered will start from Tokyo, Osaka, Kyoto, Hyogo, Aichi and some other areas.

【 Job Description 】

【Overview】
The CV (Computer Vision) Engineer will be responsible for research and development and its service implementation to contribute to various mobility projects in the company by utilizing CV technologies, mainly deep learning (Deep Learning). The company is looking for people who have a broad range of skills and interests, not only in pure R&D, but also in incorporating this into actual services.

【Responsibilities】
・Research and development of elemental technologies in the field of CV (object recognition in drive recorder video, driver behavior recognition, 3D spatial recognition, SLAM/SfM, etc.)
・Incorporate the developed CV technologies into actual services in cooperation with ML Ops engineers and operate them.
・Design efficient data collection and annotation methods according to the project

【Recruitment Background】
The company is promoting projects to solve social issues with advanced CV technology at its core, such as "DRIVE CHART," a next-generation AI driverless record service, and the "Automatic Differential Extraction of Road Information Project.
CV technology has made a great leap forward with the advent of deep learning, but in most cases, mere application of existing technologies is not sufficient for social implementation, and it is essential to deeply understand their essence and improve them to meet their own challenges. In addition, areas other than CV model development, such as data collection and annotation, are also extremely important.
The company is looking for a CV engineer who can promote CV R&D, implementation, and related activities in order to develop existing projects and explore new possibilities.

【Development Environment】
Programming language: Python
Libraries: PyTorch, TensorFlow, NumPy, pandas, etc. (no particular restrictions)
Computers: Mainly AWS EC2 (some on-pre GPU machines)

【Issues】
Contribution to the project by CV technology (specific examples below)
・Real-time object detection in edge devices (driverless recorders)
・Effective learning on multi-class, unbalanced datasets such as road signs
・3D recognition of vehicle driving space

【 Working time 】

Flextime System

【Holidays】
・Saturdays, Sundays and National Holidays
・Paid leave (up to 10 days in the first year, depending on the month of employment * Granted on the date of employment)
・New Year vacations
・Celebration and condolence leave
・Nursing care leave (5 days per year per family member in need of nursing care)

【Welfare】
・Full social insurance
・Trial cab system (10,000 yen/month): Company pays for a ride to get to know the cab
・New Normal Allowance (3,000 yen/month)
・Welcome Lunch
・Subsidy for book purchases
・Participation in technical conferences (in Japan and abroad)
・Club activity system
・No dress code

スキル・資格

【Required】
・3+ years of research and development or practical experience in deep learning, or equivalent technical level
・Experience in the above with implementation of original models in the CV field or implementation of reproduction of existing models from scratch

【Preferred】
・Experience in design, development, and operation of services for users using machine learning
・Contribution to OSS in the field of deep learning
・Publications in international academic conferences and journals in the field of CV
・Team development using GitHub
・Development using Docker
・System development using cloud computing such as AWS and GCP

【Ideal Applicants】
・Have a mindset that puts the success of the service first, not just the technology.
・Able to work independently while maintaining close communication with members from various fields inside and outside the company.
・Have empathy for the evolution of the mobility field and its contribution to society.
・Able to acquire new skills as needed without being obsessed with specific technologies

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会社説明