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Research Scientist (Natural Language Processing)

Remote Work Available / **Start-up Company**

Job Information

Recruiter
G Talent at Bizmates, Inc.

Hiring Company
★AI cloud service company specialized in Accounting★

Job ID
1490352

Industry
Internet, Web Services

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
10 million yen ~ 12 million yen

Work Hours
Flextime System

Holidays
Saturday/Sunday/National Holiday, Annual Paid Leave, etc.

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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Daily Conversation

Minimum Japanese Level
Business Level

Minimum Education Level
High-School or Below

Visa Status
Permission to work in Japan required

Job Description

【**About the company ...**】

Improving accounting.
The company is a technology startup that develops AI solutions specialized in the accounting field in-house and provides them as cloud APIs.

■ Demonstrate technological superiority using AI
Focusing on information input of accounting software, they are solving problems in areas that have not yet been automated with solutions using deep learning.

■ Obtained a patent in the field of "AI accounting" (* "AI accounting" is a registered trademark of the company)
As of May 2019, the company has already obtained seven patents and are applying for more patents.

【 Job Description 】

♦ Responsible for technology development, a key element of business growth, in a team directly under the CTO
In the Advanced Technology Research and Development Division, you will research and develop the AI engine that will be the basis of in-house developed "Robota" and "Remota," AI services specialized for the accounting field.
As a research scientist focusing on natural language processing, you will be responsible for proactively tackling technical issues in the accounting field and applying the results to our products and developing new products.
After joining the company, you will be assigned to a team directly under the CTO, where you will work as part of a team to promote research and development.

【Responsibilities】
- Extraction of unique expressions and relationship information from accounting forms (including data)
- Extraction of additional information (graphs, tables, images, etc.) from accounting forms (including data)
- Academic activities such as writing papers, external presentations, and joint research on research results
- Consulting on annotation technology related to natural language processing

After joining the company, you will participate in the research and development of information extraction from accounting forms in order to familiarize yourself with the work and the environment. After that, you will carry out research activities while identifying research elements, etc.

In the field of annotation technology, you will be consulted as an expert on how to improve performance during product development, etc., as needed.

■Examples of backgrounds of the company's employees
Ph.D. in computer science, research presenters at top conferences, research experience in computer science, etc.

【Working Environment】
■They have an open-minded atmosphere where anything can be discussed frankly and constructively! It is an environment where young employees are encouraged to play an active role.
■They have a culture that values not only the success of the team, but also the opportunity for individual growth.
■They are flexible and willing to adopt new technologies without sticking to established ones.

・The company's AI team consists of two people in charge of algorithm R&D, two in charge of annotation management, and about 60 annotators.
・The team needs to balance time to invest in the future by researching and developing technologies that will bring breakthroughs to the industry with immediate customer service, but with the rapid increase in customer inquiries and contracts, it has become difficult to secure time for research and development from a medium- to long-term perspective.

・Character recognition, whole character detection, document structure analysis R&D
・Journalism, image document cropping, base, plotting R&D
・Item detection in voucher images, NLP R&D

Born in 1983, he was in charge of traffic information visualization system development and traffic information graphic information service development and big data analysis (Toyota China G-BOOK system) at Denso Group.
He was appointed as a project manager of the NAVS map difference updating project at Beijing Sifwei Zushin Technology Co., Ltd. and as a manager of the production control department, he mainly promoted production control and quality control, and realized the first real-time NAVS map difference updating service in China. He was transferred to Denso again to promote IVI product development and technology management for automobile manufacturers.
He came to Tokyo with a challenge to utilize AI technology. He has been involved in character recognition and detection model development and big data analysis using deep learning techniques. Currently at First Accounting, he is promoting research & development of character detection, character recognition, and document analysis and overseeing AI technology.

【 Working time 】

9:30~18:30

【Insurance】
■Full Social Insurance

【Allowance】
■Commuting Allowance

【Welfare】

■Semi-annual MVP award and President's Award commendation

【Others】
■Free drinks available (mineral water, coffee)
■Stock option plan available

【 Holiday 】
Saturday/Sunday/National Holiday
Annual Paid Leave
New Year Holiday
Parental Leave
Congratulations & Condolence Leave
Bereavement Leave
Summer Holiday, etc.

Required Skills

[Required/Preferred Skills]
・Master's degree in computer science, preferably Ph.
・Deep knowledge of machine learning and deep learning, especially in the field of natural language processing, and the ability to design and validate methods on your own.
・Proficiency in English for reading and writing papers and technical documents, as well as for conversational English in the area of expertise.
・Ability to write papers as the first author and to pass peer review.
・Experience in model implementation and evaluation using ML libraries such as PyTorch and Tensorflow
・Japanese language ability to analyze Japanese texts

*Please submit a list of publications with publication records.

[Ideal Applicants]
The company values its five values and places great importance on them during the selection process.
The company is looking forward to working with you if you share and embody these values.

Can Do Attitude: Always look for ways to do things.
Trust: Earn the trust of the enterprise company.
Teamwork: There is only so much one person can do. Work as a team to tackle the mission.
Passion: In order for a startup to be successful, it must have passion.
Move Fast: In order to succeed in this industry and in this day and age, it is essential to move fast.

Company Description