1. TTS Researcher

Job Location: Beijing
Job Type: Full-time
Job Description:
- Build state-of-the-art Text-to-Speech systems

Requirements:
- PhD in Computer Science, Machine Learning or related fields
- 3+ years of industry experience
- Contributions to research communities, such as INTERSPEECH, ICASSP, AAAI, ICLR, etc.
- Excellent communication skills

2. Speech - Acoustic Modeling Scientist & Engineer

Job Location: Beijing
Job Type: Full-time
Job Description:
- Optimize acoustic model training procedures, especially discriminative training using large amounts of audio data.
- Work closely with other speech recognition researchers on implementing algorithms to improve voice user interaction.
- Closely follow new research trends in acoustic modeling, prototyping and productionizing new algorithms.

Requirements:
- PhD or Master's degree in Computer Science, Speech Recognition or Machine Learning.
- Experience with Linux OS and scripting languages such as Python, shell scripts, etc and and tools written in C/C++
- Experience working with standard speech recognition toolkits, such as Kaldi, Espnet etc is preferred
- Experience working on ASR systems in multiple languages is preferred
- Familiarity with at least one deep learning toolkit, such as Tensorflow, Pytorch, MxNet, etc.
- Strong analytical and problem-solving skills
- Excellent teamwork spirit and communication skills.

3. Speech - Language Modeling Scientist & Engineer

Job Location: Beijing
Job Type: Full-time
Job Description:
- Develop and optimize a language model training pipeline to quickly build and publish production models
- Closely follow new research trends in language modeling, prototyping and

productionizing new algorithms.

Requirements:
- PhD or Master's degree in Computer Science, Speech Recognition or Machine Learning.
- Experience with Linux OS and scripting languages such as Python, shell scripts, etc and and tools written in C/C++
- Expertise in key language technologies, such as speech recognition, machine translation or natural language understanding.
- WFST experience is preferred.
- Familiarity with big data processing using Hadoop, Hive, Spark, etc.
- Familiarity with at least one deep learning toolkit, such as Tensorflow, Pytorch, MxNet, etc.
- Strong analytical and problem-solving skills
- Excellent teamwork spirit and communication skills.

4.   Research Scientist - Natural Language Processing

Job location: Beijing, China/Mountain View, California, USA

Responsibilities:
- Research on cutting-edge technologies and creating state-of-the-art systems for numerous NLP tasks such as Multi-modal Multi-turn Dialogue, Question Answering, Machine Reading Comprehension, Knowledge Graph, Text Generation.
- Develop effective and practical solutions to challenging NLP problems in real scenarios.
- Take part in NLP-related champions to position JD AI Research as an AI trailblazer.

Key Qualifications:
- PhD in Natural Language Processing, Machine Learning, or in a highly related areas
- Solid background in statistical machine learning techniques and deep learning approaches (Pre-training, Transformer, Attention, etc.)
- Strong algorithm implementation experiences and programming skills
- Excellent publications at top conferences, e.g. ACL, EMNLP, NAACL, COLING, AAAI, IJCAI, etc.
- Excellent communication skills and ability to interact with all levels of engineers

5.   Algorithm Engineer - Natural Language Processing

Job location: Beijing, China

Responsibilities:
Optimizing NLP algorithms to solve real-world problems in all products and projects
Closely follow cutting-edge technologies in NLP field and productionizing new algorithms

Key Qualifications:

- PhD or Master degree on Natural Language Processing, Machine Learning or related areas.
- Experience working with ML/DL frameworks including Tensorflow/Pytorch/Torch/Caffe etc.
- Outstanding team spirit with excellent communication and writing skills.

Preferred Qualifications:

- Good publications in leading NLP journals and conferences, e.g. ACL, EMNLP, NAACL, COLING, AAAI, IJCAI, etc.