



JOB DESCRIPTION

Job Title	Senior Knowledge Graph Scientist
Department/ Group	Possion Laboratory
Business Area	Research and Development
Location	Edinburgh, UK

About Huawei Research and Development UK Limited

Huawei's vision is to enhance the lives of humanity and improve the environment by building a fully connected and intelligent world. Huawei has the largest R&D organisation in the world with 80,000 employees in research centres around the globe. In the UK, we already have design centres in Bristol, Cambridge, Ipswich, London and Edinburgh. With a further £3bn of investment committed to the UK over the next 5 years we invite you to join us and drive your career forward.

Job Summary

Huawei is looking at for a Senior Knowledge Graph Scientist, leading a team of Knowledge Graph Researchers in Huawei Edinburgh R&D Center, with research and development experience in knowledge graph, knowledge computing, knowledge reasoning/inference, semantic search (image/video semantic), personalized search, intent understanding, emotion understanding, discourse analysis/understanding, etc.

Job Purpose:

As a team leader, you will lead the team in the whole technology research and development cycle from research and design to implementation and evaluation, cooperating with engineering teams in headquarters.

Key Responsibilities:

- Research and development work on automatic knowledge acquisition and reasoning to build domain-specific or customized knowledge graphs, supporting applications like natural language understanding, semantic search, question-answering and dialog system.
- Design and develop prototypes of the next generation with knowledge-based technologies, such as knowledge-based programming language, learning and reasoning engine.
- Be part of internal engineering efforts, with responsibility of algorithms, modeling, engineering and product scaling and support.

Person Specification:

List details of Knowledge, Skills, Experience and Qualifications needed to do the job:



<p>Required:</p> <ul style="list-style-type: none">• PhD in NLP, machine learning, knowledge engineering, information retrieval, or related fields.• At least 10 years of work experience in the field of NLP, semantic web, knowledge engineering.• At least 5 papers published on top conference/journal in the related fields like ACL, NIPS, EMNLP, AAAI, IJCAI, WWW.• Rich experience in leading R&D or research projects• Excellent complex software design and coding skills in the recent 5 years.• Strong problem-solving, and excellent verbal and written communication skills.	<p>Desired:</p> <ul style="list-style-type: none">• Knowledge of various reinforcement learning (POMDP, Imitation Learning, etc.) and deep learning (word embedding, LSTM, GAN, etc) algorithms for NLP.• Knowledge of building large-scale knowledge graph, especially reasoning and inference engine on knowledge graph.• Experience of speech recognition, including acoustic modeling, language modeling, text-to-speech.• Experience of tensorflow, pytorch.• Mandarin is prefer.
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What we offer

The following is the case of Cambridge and maybe different from Edinburgh, just for reference.

- Competitive Group Personal Pension Scheme and life cover (subject to age and earnings)
- Private medical insurance and Cash Plan
- 24 days annual leave per annum, pro rata, plus 9 public days
- Opportunity for training and development
- Huawei Inspired Rewards (employee discount site)
- Flexible working