

SENIOR SPEECH RECOGNITION ENGINEER

Location: Cambridge, UK
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"As a Speech Recognition Engineer at Speechmatics, I work on solving a multitude of problems related to improving the accuracy and delivering new features for a global Automatic Speech Recognition engine. As a member of the speech team, I work across every aspect of speech and implement the latest research in acoustic and language modelling. The team is supportive and also rich in terms of skills and backgrounds. Speechmatics offer progressive and rewarding opportunities in one of the best speech technology companies in the world."

- *André Mansikkaniemi, Speech Recognition Engineer, Speechmatics*

Background

Speech technology is one of the most popular discussion items at the moment, yet speech interaction is limited to "Alexa, turn on the light", or "Siri, where is the nearest coffee shop?" We are taking speech technology to the next level using our expertise in machine learning and speech-to-text technology to enable our customers to use conversational speech recognition. Our solutions power subtitling on TV, content discovery for videos, compliance solutions in banks, improve efficiency of meetings, and many other use-cases. Our mission is to improve human communication with a global speech engine, that works and put speech back at the heart of communication.

At Speechmatics you'll be working with some of the smartest minds in the industry, working on cutting-edge projects and deploying the latest machine learning techniques to disrupt the market, providing customers with the best speech technology available, all whilst immersed in a progressive and great company culture. You can enjoy benefits including, share options, healthcare, life assurance, Bike Doctor, massages, regular BBQs, Brew Dogs in the fridge, no red tape, a top end laptop and much more. We're building a company that truly strives to be world-leading and we're looking for people who wholeheartedly believe they can be additive to our culture, bring new ideas to the table and get stuff done. If that's you, carry on reading.

The Opportunity

We are looking for a talented speech scientist to help us build the best speech technology for anybody, anywhere, in any language. You will be part of a team that is working on our core ASR capabilities to improve our speed and accuracy and develop novel features so that we can support in all languages. Your work will feed into our ground-breaking framework to support the building of ASR models in every language pack published by the company. You will be responsible for keeping our system the most accurate and useful commercial speech recognition system available.

As you will be joining a small team, you will need to be a team player who thrives in a fast-paced environment, with a focus on rapidly moving research developments into products. Bringing skills into the team is as important as a can-do attitude. We strongly encourage versatility and knowledge transfer within the team, so that we can share efficiently what needs to be done to meet our commitments to the rest of the company.

Key Responsibilities

- Contributing to our ASR accuracy meeting or exceeding that published by others across languages and domains
- Improving our core modelling technology (acoustic, pronunciation, language and beyond)
- Delivering an easy-to-use feature rich product that delights our customers
- Enhancing our machine learning framework to deploy latest technology to robustly build any language with the best possible performance
- Keeping an eye on the field and technological advances to stay ahead of the game

Requirements

Essential

- Graduate degree in Statistics, Engineering, Mathematics, or Computer Science
- Expertise in key natural language processing or related technologies, such as speech recognition, text-to-speech or natural language understanding
- Experience working with standard speech and/or ML toolkits, e.g. Kaldi, KenLM, TensorFlow, etc.
- Solid programming skills with Python and / or C/C++
- Experience using Unix/Linux
- Analytical mind-set with a data-driven approach to making decisions and attention to detail

Desirable

- Postgraduate degree in related discipline
- Commercial work experience in a related field
- Experience of working in an Agile framework
- Expertise in modern speech recognition, including WFSTs, lattice processing, neural net (RNN / DNN / LSTM), acoustic and language models, decoding
- Comprehensive knowledge of machine learning and statistical modelling
- Experience in deep machine learning and related toolkits, e.g. Theano, Torch, etc.
- Deep expertise in Python and/or C++ software development
- Experience working effectively with software engineering teams or as a Software Engineer

Salary

Competitive salary (dependent on experience), flexible working and some awesome [benefits & perks](#).

Interested?

Get in touch! Send your CV and covering letter to careers@speechmatics.com.