



# Speech and Language Processing Recognition Researcher

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## About the company

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QPlox Engineering is a leading technology company specializing in innovative solutions for IoT frameworks, instrumentation systems, and test automation. Our clients are major multinational enterprises and local companies from automotive, semiconductors, RF, consumer electronics. We are committed to pushing the boundaries of technology and providing our clients with cutting-edge solutions. Our dynamic team thrives on collaboration, creativity, and continuous learning.

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## Job Description

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Our client is looking for a passionate Researcher to become part of our speech research team. The ideal candidate will possess a solid background in computer science, machine learning, or a related discipline, with a strong interest in the connection between technology and human emotion. In this role, you will contribute to the design, development, and evaluation of cutting-edge algorithms and systems that can detect and interpret emotional signals from various modalities, such as voice and text, and generate emotionally responsive interactions. The team of specialists is dedicated to advancing AI capabilities, continually pushing the limits of what technology can achieve. We're seeking talented professionals to join us on this groundbreaking journey.

### Key Responsibilities

- Lead research efforts in affective computing, focusing on identifying emotions in speech and developing expressive speech synthesis for AI systems.
- Design and implement novel algorithms and models to boost the precision and efficiency of multimodal emotion recognition, while enhancing emotional depth in synthesized speech outputs.
- Collaborate with interdisciplinary teams to bring affective computing technologies to real-world solutions, ensuring that engineering needs like low-latency processing are met.
- Continuously monitor and explore breakthroughs in affective computing, AI, and machine learning, applying the latest innovations to ongoing projects.

Location: Netherlands

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## Candidate Qualification

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- **Qualifications:** Advanced degree within Computer Science, Electronics Engineering and AI, with 4 plus years of experience within ML frameworks and advanced data analysis.
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- Must be an expert in handling signal detection, signal processing, natural language processing, pattern recognition, etc.
  - Experience with machine learning frameworks (e.g., TensorFlow, PyTorch), data analysis tools, and a solid understanding of signal processing, natural language processing, or related fields.
  - Excellent problem-solving skills with the ability to work both independently and in a team, along with strong communication skills to present complex ideas clearly.
  - Expert in multimodal data analysis, state-of-the-art speech recognition and/or text-to-speech algorithms, and familiarity with human-computer interaction principles.
  - Active involvement in Multidisciplinary research projects and solid track record of publications and oral/poster presentations.

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## Benefits

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- Competitive salary and benefits package.
- Access to the latest tools and technologies.
- Opportunities for professional growth and development.
- Collaborative and innovative work environment.
- Flexible working hours and remote work options.
- Plenty of learning opportunities.

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## Contact

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Send your CV and application letter detailing their experience and qualifications to [jobs@qplox.com](mailto:jobs@qplox.com) with the subject "**Speech and Language Processing Recognition Researcher**".

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