

Audio/Speech/Language Research Scientist or Senior Research Scientist

MERL's Speech & Audio Group is seeking an exceptional researcher in the area of artificial intelligence, with particular focus on and interest in audio, speech, and/or language processing. We are looking for candidates with a strong background and experience in deep learning and other advanced machine learning techniques.

Our research focuses on cutting-edge projects for robust acquisition, recognition, and understanding of speech and audio, such as end-to-end speech recognition, speech and sound separation, deep-learning-based microphone array processing, general sound scene understanding, audio-visually grounded NLP, and other forms of multi-modal processing. In the past 10 years, our 6-member team has published over 150 publications globally garnering thousands of citations, participated in and organized multiple challenges, hosted dozens of interns, and won numerous awards.

As a member of our group, you will conduct original research aiming to advance the state-of-the-art in the field, proposing new projects with long-term research goals and taking on a leadership role on some of the group's projects.

MERL is one of the most academically-oriented industrial research labs in the world, and the ideal environment to thrive as a leader in the speech and audio field. MERL strongly supports and encourages publishing and presenting research results in top international conferences and peer-reviewed journals, collaborating with university professors and students, and maintaining an influential presence in the academic community, for example by participating in technical committees or organizing workshops and challenges.

Qualifications:

- A Ph.D. from an internationally recognized institution in electrical engineering, applied mathematics, computer science or equivalent.
- Thorough knowledge and expertise in modern speech technologies as well as relevant machine learning and optimization techniques.
- Strong publication record demonstrating innovative research achievements.
- Excellent programming skills, particularly in Python and deep learning toolkits.
- Strong teamwork, communication, listening, writing, and presentation skills.

Apply online: <https://merl.workable.com/jobs/1641414/candidates/new>

Some background on MERL:

MERL is the fundamental US research lab of Mitsubishi Electric Corporation, a Japanese industrial manufacturer 100 years old with \$42.9B in annual revenue in 2019 and more than 146,000 employees worldwide. MERL has all the resources and diverse technical specialties of a giant international electronic technology company, but, with a staff of 80, has the very intimate and comfortable environment of a small company. Management gives researchers broad opportunities to pursue their own research topics. This is possible because our parent company makes so many different products that it is almost impossible to not find a valuable application for our research ideas. Indeed, it is the opportunity to solve real-world problems and transfer technology to Japanese researchers for commercialization that make MERL so attractive to many of us.

Our culture is friendly, open, and relaxed with many collaborative projects within and between research groups and disciplines. We are encouraged to publish and participate in the academic community. We host many interns every year (more than 100 in 2019) and provide great creative environment. We are literally across the street from MIT and down the road from Harvard University, and regularly attend talks and collaborate with University researchers.