ASD LEARN

ASDLearn

Innovation for inclusion

Our goal is to provide a robust new tool that health professionals can rely on when diagnosing autism, in order to initiate treatment as early as possible.

ESIEE PARIS

Our solution

Signal processing

Studies have shown that children affected by ASD have a particular vocal signature, as early as 6 months of age. The study of this signature has identified the keys to early diagnosis of ASD.

Artificial Intelligence

We have developed a first prototype application, using artificial intelligence, to identify significant vocal characteristics of a child with ASD. The tool is thus able to provide diagnostic support from a voice recording by indicating a percentage risk of ASD.

Database

The main problem of this ambitious project is to establish a consistent database in order to maximise the accuracy of the diagnosis.

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A collaborative need

To carry out our project, we need to enrich our database with more audio recordings. To do this, collaboration with actors in the field of autism is more than crucial.

Are you a health professional, a parent of a patient, a member of an autism association, or do you know people who could help us? Do not hesitate to contact us in order to accompany us in this beautiful project, so that together we can improve the care of these children.

About us

This project was born out of a student project at the ESIEE Paris engineering school. Innovative in nature, this school encourages interdisciplinary work in order to propose useful solutions for society.

The members of the ASDLearn project group are engineering students from different disciplines with complementary skills and a teacher researcher from ESIEE Paris. This multidisciplinary collaboration is in line with the school's approach which is offering a solution to a real public health issue: the inclusion of autistic individuals.

Contact us

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