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Reference	INFO03-1008	Contact	Patrick de Pas
Title	Audio-digital specialist		
Goal			
Contract	Long term	Level	Experienced engineer

About Aldebaran Robotics

Aldebaran Robotics is a young and innovative startup company. We design and produce humanoid robots around a complete, evolutive and customizable platform called Nao. The scope of this project encompasses mechanics, hardware and software.

Today, the team counts more than 40 engineers and specialists, and we are striving to reach the general public market in 2009.

Besides our ambitions, Nao has been selected as the official platform of the International Robocup Competition. The first units were sent to participating teams in March 2008.

We also produce and sell Nao Academics Edition, a research platform focusing on laboratories and universities.

Additional information: www.aldebaran-robotics.com.

Your role

Sound interaction, the human voice in particular, is the most natural means of communicating with a robot. This is why we pay particular attention to Nao's audio capabilities. As a result, we are looking for an expert in voice signal processing who can address issues in software implementation (c++, dsp, fpga) and electro-acoustic device design.

As a signal processing expert in the team, you will be in charge of the audio chain of our humanoid robot Nao, from microphones to preprocessing algorithms (noise reduction, various transforms) that can enhance voice recognition. You will also participate in domains where signal expertise is necessary.

Requirements

- * Excellent command of C, C++, Matlab.
- * Excellent command of signal processing techniques.
- * Excellent command of audiodigital technology (filtering, real-time processing...).
- * Good command of multithreading.
- * Good command of linux.
- * Knowledge of automatic classification techniques.
- * Notions of French.

To apply:

Send your resume + cover letter to recrutement@aldebaran-robotics.com; please mention the reference of this post (INFO03-1008)

Starting date: immediately. Location: Paris (14), France