



## R&D engineer in Signal Processing and Machine Learning

Recognized as a center of excellence at the international level, Multitel develops and integrates emerging technologies in the industrial sector. These technologies are articulated around four areas of activity: Networks and Telecoms, Applied Photonics, Signal & Embedded Systems and Railway Certification.

Within the signal and embedded systems department, the Artificial Intelligence team plays a crucial role in supporting companies (from start-up to corporate) in their technological innovation projects and accompanies them from the feasibility phase to the development of minimal viable products in various fields such as: avionics, automotive, IoT, Smart Cities, industry 4.0, medical sciences & defense.

To strengthen our AI team, we are looking for a R&D engineer in digital signal processing.

### Main responsibilities:

- Participate in cutting edge research and its applications in various fields (audio, vibration, sonar, radar, ...).
- Follow up state of the art research, collaborate with academic partners.
- Share your broad knowledge of digital signal processing algorithms with the AI team and other members of the company.
- Develop solutions for real world, large scale problems.

### Expected qualifications:

- Master or PhD in Electrical (digital signal processing) engineering, related technical field or equivalent practical experience.
- Knowledge of antenna processing (especially beamforming) and advanced spectral analysis techniques (Fourier, wavelet,...) are required
- Knowledge of underwater acoustic signal and its specificities is a plus
- Programming experience with Matlab (Phased Array System Toolbox is a plus) and python libraries and toolkits such as Matplotlib, SciPy, Pandas
- Knowledge in Machine (Deep) learning is a plus
- Familiar with Linux operating system.

- Ability to design and execute on research agenda.
- Ability to learn and acquire new knowledge.
- Ability to work fluently in English (spoken and written).

### **Why you should apply**

Do you want to contribute in driving AI innovation forward and join a great, dynamic and growing team? Then, tell us what makes you the perfect match.

Contact : [rh@multitel.be](mailto:rh@multitel.be)