Zylia is a R&D company which develops innovative 3D audio recording systems, digital TV systems as well as new multimedia technologies. Zylia takes an active role in the research community through participation in collaborative projects and cooperation with industry and academia. Our company culture encourages new ideas and teamwork above all else.

Audio DSP Engineer

Responsibilities

- Participation in innovative projects related to 3D audio processing
- Design and implementation of new algorithms, testing and refining the existing ones
- Collaboration with Zylia Developers and Researchers as well as university partners
- Take responsibility for meeting strict deadlines set out in project schedules
- Propose new ideas in software and product development that will improve Zylia'sbussiness
- Participate and contribute to scrum meetings
- Prepare documentation for the developed functionality

Requirements

- Master's degree in digital signal processing, computer science or similar
- Solid theoretical background in the area of audio processing concepts: DFT, filter design, reverberation, etc.
- Previous involvement in projects related to multimedia processing
- Expertise in C++, MATLAB, and Python
- Ability to synthesize knowledge from top-tier research papers and patents
- Working knowledge of spatial audio concepts: HRTF, BRIR, microphone arrays
- Experience using version control (Git, SVN etc)

Additional assets

- Understanding of ambisonics and soundfield recording.
- Past experience with cross-platform audio processing frameworks such as JUCE, VST, Audio Units, GStreamer, FFmpeg, etc.
- PhD's degree in audio signal processing, sound separation, speech recognition or similar
- Proven track record of scientific publications
- Experience with object oriented design
- Contributions in Open Source projects

Offer / You'll be able to

- Have a meaningful impact on the company's future, and share in the rewards accordingly
- Work in a fun, fast paced start-up environment
- Flexible work hours

If you are enthusiastic to shape the Zylia R&D center in Poznan, Poland, together with us, with a high level of technical innovation feel free to contact us. Please, send your CV and cover letter to jobs@zylia.pl

Please attach in your application: "I hereby declare that all the facts and information provided for this cover letter and CV are true. I allow my personal data stated in the abovementioned applications to be processed for the purpose of recruitment, in accordance with the Personal Data Protection Act dated 29/08/1997 (Dz.Ust.No.133, item 883)\".