

## Overview

Ashly Audio is seeking a DSP Engineer to port audio DSP algorithms to various target platforms and develop new algorithms to perform functions such as echo-cancellation, adaptive filtering, and amplifier load monitoring with program material. The DSP Engineer will help identify platform options for each project that meet performance and cost requirements. The DSP Engineer is also responsible for ensuring that each DSP product maintains consistent functional performance and impeccable sound quality that Ashly Audio is known for.

## Responsibilities

- Port DSP code from legacy embedded platforms to new, modern OS platforms
- Research and develop new algorithms, and validate them on all target platforms
- Maintain good documentation, flow charts and descriptive models for all designs
- Work with hardware engineers to understand system integration requirements
- Work with technical support staff to investigate and correct reported bugs or deficiencies
- Other duties as assigned

## Qualifications

- BSEE with 2+ years of DSP implementation experience, or MSEE
- Excellent theoretical knowledge of fundamental DSP concepts and Adaptive filtering
- Software programming skills in C, C++ and Matlab/Octave
- Excellent knowledge of Audio DSP applications
- Expertise in Embedded DSP using C language is a plus
- Familiarity with Analog Devices Sharc assembly language
- Must be a team player, willing to collaborate and share ideas with other engineers
- Excellent written and verbal communication skills

## Location

Ashly Audio, Inc.  
847 Holt Road, Webster, NY 14580

Ashly offers their employees competitive compensation and a comprehensive benefits package including medical, dental, and life-insurance, plus paid time off and a 401(k) plan.

Ashly Audio, a JAM Industries, Ltd. Company, has been recognized as a world leader in designing and manufacturing quality audio signal processing equipment and power amplification for use in commercial sound contracting and professional audio markets. Our philosophy established from the very beginning, over 43 years ago, is to offer only the highest quality audio products to our customers. Ashly has a strong brand reputation and a loyal following in our market across the world.

<http://ashly.com/>

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