



Software Engineer, Pro Audio & Music Industry

Job Summary:

TC-Helicon is seeking a full-time Software Engineer who can unleash their coding prowess on the latest in vocal processing products. The successful applicant will work independently and within a group of like-minded software engineers who share a passion for getting the job done – efficiently, creatively across embedded and native platforms. TC-Helicon is a small development team where everyone’s ideas are used to make the best products for singers. The position is based in Victoria, BC Canada.

Responsibilities and Tasks

- Responsible for design, development and troubleshooting of software for computer, mobile and embedded platforms.
- Looks into technology trends and works with team to recommend new techniques and tools.
- Works independently without day to day supervision towards a focused goal.
- Works as an equal team member in accomplishing projects and solving problems.
- Deeply values code readability, consistency, maintainability, reuse, and efficiency.

Qualification Requirements:

- Bachelor’s degree in Computer / Electrical / Software Engineering.
- 3 years of relevant experience including embedded systems.
- Mastery of C and confidence in debugging assembly
- Practical experience in object-oriented programming (Minimum C++).
- Experience with embedded processors, interfacing to peripherals, SPI, I2S, DSP, ARM, etc. RTOS experience, real-time programming and required considerations.
- Hardware debugging experience.
- Advanced knowledge of data structures and multithreading techniques.
- Excellent verbal, written and interpersonal communication skills.
- Ability to work both independently and in a team.
- Resourceful and has a “get it done” attitude.

Qualification Preferences

- Good theoretical and working knowledge of digital signal processing concepts (digital filtering, spectral estimation, and system modeling) with preference in voice specific algorithms (pitch shifting, pitch detection, formant shifting).
- Graphic User Interface design experience.
- Experience with DSP algorithm prototyping with Matlab.
- Experience with SQL, PHP, Java, and Ruby.
- Understanding of the applications and methods related to the use of professional audio devices.
- Experience in creating iOS (Objective C), Windows or Mac applications.
- Enjoys music

Company Overview:

TC-Helicon is the only audio company dedicated 100 percent to the needs of singers. Its customers include the most demanding of live performers, up and coming artists, and amateur musicians. The range of products spans from floor vocal processors such as VoiceLive 2 and the VoiceTone series, for creating completely produced vocal sounds on stage, to modern performance microphones that offer simple remote control vocal effects. TC-Helicon is part of TC Group.

How to Apply: Please send resume to contact@tc-helicon.com