

ROCKFORD CORPORATION

Rockford Fosgate, a leading automotive audio company, is looking for a highly motivated person to fill the position of Embedded Software Intern. Primary responsibilities of this role will include the design, development, testing, and maintenance of audio based embedded applications for both OEM and aftermarket automotive audio products. A successful candidate will be responsible in developing and debugging firmware and software to support a broad range of processors including 32 bit microcontrollers, ARM, DSP and BLE. A candidate must be able to communicate effectively and work as an integral part of a small product team.

JOB TITLE: Embedded Software Intern

KEY RESPONSIBILITIES:

- Develop working software to run on various processors using off-the-shelf evaluation boards
- Perform digital signal processing experiments / simulations for audio applications
- Work closely with embedded engineers to debug, test and optimize designs on bench
- Work closely with test engineers and software engineers to develop automated test systems to validate software and hardware
- Generate well defined code documentation

REQUIRED SKILLS/QUALIFICATIONS:

- Earning a degree in Electrical Engineering, Software Engineering, Computer Systems Engineering, or Computer Science
- Strong proficiency in C/C++ for embedded applications
- Knowledge of audio based digital signal processing (adaptive filtering, FFT, etc)
- Familiarity with ARM cortex based microcontrollers and peripherals
- Experience performing simulations using Matlab, Python or Octave
- Ability to troubleshoot using oscilloscopes, spectrum analyzers, etc

DESIRED SKILLS (OPTIONAL):

- Experience with Bluetooth Low Energy
- Experience with embedded real time operating systems
- Experience with developing test software and utilities using LabView
- Familiarity with iOS and/or Android mobile application development

Interested applicants, send resume and cover letter to jobs@rockfordcorp.com.

This position is based in Tempe, Arizona. No relocation assistance provided.

To learn about Rockford, please visit us at www.rockfordcorp.com. We are an equal opportunity employer and value diversity in the workplace.