



For over 40 years, Rockford has been a leader in the audio industry. We started with an idea that sparked a movement and ignited a following. It was in that moment that Rockford was born. Today, Rockford Fosgate makes lifestyle products that deliver THE audio experience in cars, boats, motorcycles, and recreational vehicles. It's not just a company - we are a team of people who are audio fanatics. We have a reputation for making products with our customers' needs and wants in mind. It's our passion and our fierce customer loyalty that sets us apart. Made for fanatics by fanatics...This is Rockford.

**JOB TITLE: Acoustic System Engineer**

This is a key position in the acoustic engineering team and is responsible for the overall performance of aftermarket and OEM audio systems. This position influences the design and development of loudspeakers, enclosures, and electronics to optimize audio systems. Creates the Rockford Signature Sound by building custom DSP architectures and vehicle tunes. This is a very visible role and works closely with internal and external customers, new product development and engineering teams.

**KEY RESPONSIBILITIES:**

- Owns the Rockford Signature Sound for both aftermarket and OEM audio systems.
- Works closely with product managers to define acoustic system performance.
- Works closely with embedded team to create flexible DSP architectures.
- Consult with electrical team to specify, develop and validate new amplifiers and electronics.
- Consult with acoustic team to specify, develop and validate new loudspeakers.
- Tunes and optimizes system audio performance to achieve acoustic design targets.
- Champion internal and external system listening demos and collect subjective feedback.
- Design and set up acoustic system reliability tests.
- Provide acoustic technical expertise to mechanical, amplifier, embedded, and internal vehicle install teams to execute cross-departmental projects.
- Communicate with customers and OEM partners to assess customer needs and identify system design goals.
- Create detailed technical design input presentations to communicate acoustic design decisions and directions with suppliers, customers, and various internal groups (New Product Development, Marketing, Sales, etc.).

**REQUIRED SKILLS/QUALIFICATIONS:**

- BS degree in acoustics, physics, electrical engineering, mechanical engineering, or another related field.
- Exceptional knowledge in acoustic and psychoacoustics fundamentals, and their application.
- Advanced knowledge of audio system architecture and system tuning.
- Strong knowledge of DSP building blocks (filters, compressors, limiters, equalizers, etc.).
- Experience with various acoustic test equipment such as Klippel, Audio Precision, etc.
- Expert level troubleshooting skills for complete vehicle audio systems.
- Strong team player with positive attitude and willingness to learn and collaborate in group settings.
- Excellent written, verbal, technical, and interpersonal communication skills.
- Self-starter with strong organizational skills and attention to detail.
- Ability to effectively execute multiple projects concurrently in a fast-paced deadline driven environment.

**DESIRED SKILLS (OPTIONAL):**

- 1-3 years of experience in an acoustic design role.
- Experience in the design and engineering of transducers and loudspeaker systems.
- Strong understanding of physics fundamentals.
- Knowledge of OEM automotive data and infotainment buses such as CAN, A2B, AVB, etc.
- Proficient in DSP design tools such as Sigma Studio, Audio Weaver, etc.
- Proficient in the use of simulation tools such as Klippel SIM2, Loudsoft Suite (Fine Cone, Fine Motor, Fine Xover, Fine Suspension, Fine Box), Finite Element Magnetic Modeling (FEMM), etc.
- Familiarity with software scripting /automation using Python, LabVIEW, Excel macros, etc.
- Experience with speaker enclosure design and fabrication.
- Active license to operate a motorcycle is a plus.

Interested applicants, send resume and cover letter to [jobs@rockfordcorp.com](mailto:jobs@rockfordcorp.com). This on-site position is based in Tempe, Arizona. No relocation assistance provided.

To learn more about Rockford Fosgate, please visit us at [www.rockfordfosgate.com](http://www.rockfordfosgate.com). We are an equal opportunity employer and value diversity in the workplace.