

Who are we:

[Soundskrit](#) is leveraging years of research in bio-inspired MEMS microphones to develop the first multi-directional acoustic flow sensor that can capture and isolate any sound in the environment with a fraction of the size, power, and computation of alternative solutions.

Our proprietary hardware senses acoustic waves in a fundamentally new way to provide a level of sound localization and separation not previously obtainable. With our proprietary algorithms, we unlock a suite of audio features with outstanding performance: far-field voice capture, spatial audio recordings for immersive audio rendering, audio event characterization and much more.

We have an opening for Product Development Engineer in Ann Arbor, Michigan:

Product Development Engineer

As a Product Development Engineer, you will be responsible for building, characterizing, and modeling of Soundskrit's bio-inspired MEMS microphones. The tasks include, but not limited to, assembling MEMS, ASIC, or electronic components on PCB or electronic package, setting up and conducting acoustic characterizations, using statistical tool to analyze the data. You will also be working closely with design team to ensure overall product quality and reliability. It is a full-time position in Ann Arbor, Michigan, reporting to CTO. If you are ready to join a game-changing team and have the experience to help us move forward, we want you!

Some of your responsibilities will include:

- Characterize MEMS microphones at the wafer and part levels using necessary tools
- Find correlation between mechanical properties and electrical properties of new MEMS microphone structures
- Build bio-inspired MEMS microphone prototypes and testing boards
- Develop bench test capabilities using LabVIEW (or other automation software) to verify and validate the acoustic performance of the prototypes, and provide feedback to the design team
- Set up automated data extraction and conduct statistical analyses using Python and JMP

Preferred qualifications:

- Master or PhD in engineering or physics (acoustic, electrical, mechanical, or related studies).
- Hands-on capabilities – Experience on PCB assembly and wire bonding
- Experience in setting up laboratory equipment for different characterization needs
- Experience in automated testing (LabView or other software)
- Experience in characterizing acoustic system or MEMS microphone is preferred
- Acoustic or MEMS modeling (Verilog) capability is a plus
- Self-driven and passionate in start-up environment: never limited by job description.
- Track record of working in fast-paced, international environments in the consumer electronics industry.

What we offer:

Soundskrit is the only company that challenges the status quo in sound capture and is building the optimal acoustic system from the ground up. By re-designing both the hardware and software, we will drastically outperform existing microphone arrays and software-only solutions. Our chip provides a small footprint, low latency, and low complexity solution that will unlock new use cases for audio in the consumer electronics industry.

Under the guidance of our experts in signal processing and microphone technologies, you will explore this new field of audio engineering with us and discover new acoustic capabilities for our chip. You will interact with prestigious customers across all verticals and champion our vision in conferences. As an exceptional engineer, you will shape our upcoming product development and you will be involved in major strategic decisions. As we grow, there will be opportunities for product and technical management.

On top of this, we also provide:

- A collaborative work environment where you will be listened to and appreciated
- A chance to impact the company on a day-to-day basis
- Competitive stock options and benefits
- A generous vacation packages
- A culture of respect, hard work, and success
- A lot of fun along the way!

If you are interested, please send your resume to wan.t.hsu@soundskrit.ca