



*Building brains through early talk*

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## **Software Engineer: Automated Audio Processing Development - REMOTE**

LENA is a game changer in early childhood. Research shows that back-and-forth interaction (conversational turns) between children and their adult caregivers in the earliest years is a key to school readiness and long-term outcomes. We integrate our patented “talk pedometer” technology into innovative programs to increase capacity of parents, caregivers, and educators in accelerating children’s language development, school readiness, and social-emotional health.

The LENA System™ is the global standard for measuring talk in early childhood. The system comprises several components including a web application, a cloud processing system, a proprietary algorithm, and the LENA device. It leverages a number of technologies and technical stacks.

We are seeking a full time **Software Engineer** to work closely with the senior technology and engineering teams to support the streamlining and advancement of the core processing software. This will include:

- Integrating best-in-class algorithms for human speaker identification helping to better define who is talking, when they are talking, and who they are talking with.
- Creating/refining training and scoring algorithms helping to better measure the amount of talk occurring in various real-life environments.
- Re-architecting and refactoring our processing sequences to enable changes and additions while maintaining our ability to process thousands of requests simultaneously.

We are looking for a Software Engineer who:

- Wants to help LENA change the world.
- Has a passion for signal processing and has collegiate or work experience using it.
- Can move between the experimentation/research/try-it-out world and the production/make-it-scalable-and-reliable world and is comfortable in both.
- Possesses a deep, thorough understanding and hands-on experience coding in C/C++ and would like to learn/bring-forward additional languages and programming techniques. Perl knowledge is a plus.
- Uses practical methods for managing large code bases and seeks pragmatic, simple solutions. Is comfortable using an Agile development process, unit testing, continuous integration, and build automation tools.
- Is tenacious in navigating existing code to thoughtfully manage and advance it.
- Has consistently strong attention to detail and references back that up 100%.
- Is self-driven and eager to join a supportive and positive team-work environment.
- Has a Bachelor’s Degree in engineering or computer science plus 5 or more years of experience

LENA’s team is passionate, fun, and supportive. To learn more visit: [www.lena.org/joinourteam](http://www.lena.org/joinourteam). We offer an excellent benefits package. This position can be remote, and the minimum salary for this role is \$100,000. Your individual salary will be market competitive based on skills, abilities, and level of experience. To apply, please submit cover letter with compensation requirements and resume as a single pdf document to [hr@lena.org](mailto:hr@lena.org).

LENA is an equal opportunity employer. All employment is decided on the basis of qualifications, merit, and business need. We are committed to building a team that represents a variety of backgrounds, identities, perspectives, and skills. The more inclusive we are, the better our work will be. EOE/M/F/D/V